

9-30-76 - Plugged & abandoned

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 9/30/76
..... WW..... TA.....
GW..... OS..... PA...✓

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log...✓.....
Electric Logs (No.) ...✓.....

E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... Mi-L..... Sonic.....
CBLog..... CCLog..... Others.....

6/24/76 JWL

PACIFIC PETROLEUMS LTD.

BOX 6666 • CALGARY, ALBERTA T2P 6T6 • PHONE 268-6666



June 22, 1976

U. S. Geological Survey
8440 Federal Building Division of Oil & Gas
125 South State Street
Salt Lake City, Utah 84138

Attention: Mr. Ed Guynn
District Oil & Gas Engineer

Re: Asher N. Roosevelt #1
(NE 1/4 NE 1/4 Sec. 15, T1N,
R1E, U.S.B. & M. Uintah County,
Utah)

Dear Sirs:

Pacific Petroleum LTD. wholly owned U. S. subsidiary Asher American Inc. herewith submits its application for permission to drill the subject well.

This well will be drilled to an approximate depth of 7500' terminating in the Fort Union. Our primary objectives are the Green River and Wasatch Formations. Subject to your Departments approval we wish to commence construction and drilling operations as soon as possible. The location was inspected on June 23, 1976, by a representative of the Bureau of Indian Affairs, Mr. Lynn Hall; Mr. Lanny Taylor, Land Surveyor, Uintah Engineering and Land Surveying, Vernal, Utah, and the writer. In addition discussions were held with Mrs. Adelyn H. Logan, Realty Office Bureau of Indian Affairs, Fort Duchesne.

We enclose the following information as required by the Department of the Interior Geological Survey Conservation Division:

1. Duly executed copy of Approval of Operations NTL-6
2. Survey plan of wellsite
3. Applications in triplicate for permit to drill



4. Stipulation
5. Topographic map showing sketch of access road
6. Rehabilitation Agreement
7. Conditions of Approval for Notice to Drill
8. 12 Point Surface Plan

Construction and drilling bids have been solicited from various firms who are operating in the general area. As soon as these bids have been awarded we will advise your department. A geological prognosis is currently being prepared and we will furnish you a copy within seven days.

We trust that this information will be sufficient in order that your Department will grant permission to commence early operations, however, should you require additional information please telephone or write the writer.

403-268-6457
403-268-6666

Please direct all correspondence, inquires, etc. to the writer Mr. Hugh W. Leiper, Drilling Operations Manager, Pacific Petroleum LTD., Box 6666, 700 - 6th Ave. S.W., Calgary, Alberta T2P 6T6 Canada.

Very truly yours,

H. W. Leiper
Drilling Operations Manager

HWL:jm

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Asher American Inc. (Pacific Petroleum LTD.)

3. ADDRESS OF OPERATOR

P. O. Box 6666, 700-6th Ave. S.W., Calgary, Alberta Canada T2P6T6

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

712' from North Line, 754' from East Line
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

25 miles West of Vernal, Utah

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

640

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

Ungraded Ground 5942'

22. APPROX. DATE WORK WILL START*

July 15, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8" new	36 lbs.	600'	to surface
8 3/4"	5 1/2" new	15.5 & 17 lbs.	7500'	as required by State and Federal Government

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Drilling Operations Manager DATE June 23, 1976

(This space for Federal or State office use)

PERMIT NO.

43-047-30228

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: June 24-
 Operator: Asher American Inc.
 Well No: Asher N. Roosevelt #1
 Location: Sec. 15 T. 14 R. 1E County: Uintah

File Prepared



Entered on N.I.D.



Card Indexed



Completion Sheet



Checked By:

Administrative Assistant: DW

Remarks: No other wells in area

Petroleum Engineer/Mined Land Coordinator: ok

Remarks: 1) Please include Field requirement letter

Director: A

Remarks: 2) Need a designation of Agent filed
3) BOP Equipment

Include Within Approval Letter:

Bond Required

☐

Survey Plat Required

☐

Order No.

☐

Blowout Prevention Equipment

☐

Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site

☒

O.K. Rule C-3

☐

O.K. In _____ Unit

☐

Other:

☐


Letter Written

June 25, 1976

Asher American Inc. (Pacific Petroleum LTD)
P.O. Box 6666
700 - 6th Avenue S.W.
Calgary, Alberta
CANADA T2P 6T6

Re: Well No. Asher N. Roosevelt #1
Sec. 15, T. 1 N, R. 1 E, USM
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. Said approval is, however, conditional upon the following:

- a) Written notification as to the type of blowout prevention equipment to be installed, and the subsequent testing procedures for same.
- b) Filing of a Designation of Agent, as required by Rule A-4.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAERICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-047-30228.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

DIVISION OF OIL AND GAS CONSERVATION

OF THE STATE OF UTAH

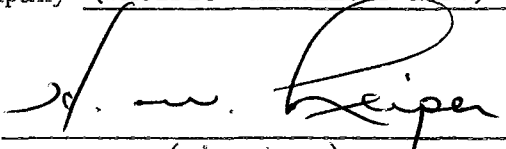
DESIGNATION OF AGENT

* * * * *

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil and Gas Conservation of the State of Utah, hereby appoint George O. Relf, whose address is 313 Crandall Building, Salt Lake City, Utah, ~~(hisxxxxxxx~~ its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full accordance with said statute and said regulations.

Effective date of designation July 15, 1976

Company ASHER AMERICAN INC.
(PACIFIC PETROLEUMS LTD.) Address Box 6666, Calgary, Alberta. T2P 6T6
Canada
By  Title Drilling Operations Manager
(signature)
H.W. Leiper

NOTE: Agent must be a resident of the State of Utah

Lease UTE TRIBAL 14-20-1162-1435
Well No. & Location Asher N. ROOSEVELT #1 NE/NE SEC.
15, TIN-RIE, USBdM, Utah Co., UTAH

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Asher American Inc. (Pacific Petroleum LTD) proposes to drill an exploratory oil & gas test well with rotary tools to the approx. depth of 7500'. To clear & level a drilling location 195' x 300' and to construct a reserve pit 100' x 150' to accommodate operations. To ~~can~~ improve approx. 0.6 miles of existing access road.

2. Location and Natural Setting (existing environmental situation)

The proposed well site is approx. 3.5 miles north west of Tridell, Utah.

The area is generally rolling hills covered with pinion pine & juniper trees.

The site itself is in a ~~flat~~ flat area with very little cut or fill required.

The area is considered good grazing land except that the Ute Tribe has not used it for grazing for several years. (grazing reserves)

Vegetation is sage brush with native grasses.

Wildlife consists of mule deer, coyotes, rabbits and other small rodents & birds.

There are no known historical sites & no evidence of archaeological sites was noted.

3. Effects on Environment by Proposed Action (potential impact)

- ^{Minor} Distraction from the Aesthetics
- Minor Air pollution created by exhaust from rig engines & support traffic.
- Temporary disturbance to wildlife
- ^{Minor} Loss of NATURAL Vegetation
- Minor INCREASED EROSION ALONG ACCESS ROAD IN ONE SMALL AREA. This will be created by the surface disturbance required to improve the ACCESS ROAD
- Minor induced erosion due to support traffic use of access road & location.

4. Alternatives to the Proposed Action

- NOT Approving the A.P.D
- No locations could be found that would justify moving the proposed SITE.

5. Adverse Environmental Effects Which Cannot Be Avoided

- ~~Minor~~ Distraction from the Aesthetics
- TEMPORARY disturbances of Wildlife
- MINOR INCREASED EROSION - Minor induced & accelerated erosion
- LOSS OF NATURAL Vegetation

6. Determination

(This requested action (~~does~~) (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected 7-6-76

Inspector B. [Signature]

[Signature]
U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah

Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Roads, bridges, airports					
Transmission lines, pipelines					
Dams & impoundments					
Others (pump stations, compressor stations, etc.)					
Burning, noise, junk disposal					
Liquid effluent discharge					
Subsurface disposal					
Others (toxic gases, noxious gas, etc.)					
Well drilling					
Fluid removal (Prod. wells, facilities)					
Secondary Recovery					
Noise or obstruction of scenic views					
Mineral processing (ext. facilities)					
Others					
Trucks					
Pipelines					
Others					
Spills and leaks					
Operational failure					

Others: Mag. Free
CC: BTA, FA, Duchesne w/o matrix
Utah DO, 64M
Reg Denver

July 5, 1976

U.S. Geological Survey
Oil and Gas Division
8440 Federal Building
125 South State Street
SALT LAKE CITY, Utah. 84138

Attention: Mr. E.W. Guynn
District Engineer

Gentlemen:

Re: Asher N. Roosevelt #1
(NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15, Twp. 1N, Rge. 1E
U.S.B. & M. Uintah County, Utah)
Pressure Monitoring and Control Data
(7 Point Plan)

Further to our letter and enclosures of June 22, 1976 wherein Pacific Petroleum Ltd. submitted its application for permission to drill the subject well, we now furnish technical information for the 7-Point Plan as requested by the U.S.G.S.

1. Surface Casing
600' 9-5/8" 36# J55 Rge III ST&C new.
2. 1 - 10" Series 900 Casing Flange
(3000# Oilfield W.P., 6000# test pressure)
1 - 10" x 10" Series 900 Spacer Spool
(Will be used depending on height of Contractor's substructure)
3. No intermediate casing is anticipated.
4. 1 - 10" Series 900 GK Hydril Bag type preventer
1 - 10" Series 900 Shaffer double preventer
(1 set 4 $\frac{1}{2}$ " pipe rams, 1 set blind rams)
Series 900 Choke Manifold
(See drawings for fill-kill and choke lines.)
5. (1) 1 - Kelly Cock
(2) 1 - Baker Float at bit
(3) Mud tank level Controller
(4) 1 - 4 $\frac{1}{2}$ " D.P. stabbing valve

6. Normal bottom hole pressures expected. Abandoned well, Paul T. Walton #1 Ute Tribal SE SW Sec. 15, Twp. 1N, Rge 1E, encountered no abnormal pressures.
7. Low Solids - Non Dispersed Water Base Mud.

For your information and files we are forwarding the following blueprints:

- (1) A 100, 200 L-3 Blowout Preventer Specifications
Pacific Petroleum Ltd.
- (2) D 100, 100 L-2 Blowout Preventer Fill Line, Kill Line with
Testing Manifold.

Thank you for forwarding copies of the Application to Drill dated June 25/76 and a copy of NTL-6 outlining the 7-point Plan. I wish to express my sincerest thanks for your kind assistance and direction necessary for obtaining the U.S.G.S. Departmental approval for the drilling of this well.

The writer is presently attempting to contact the U.S.G.S representative in Vernal, Utah, to coordinate an inspection date. As you were previously advised, a representative of the Bureau of Indian Affairs, Mr. Lynn Hall, Soil Conservationist, Ft. Duchesne, Utah, visited the site accompanied by the writer.

To date we have received (1) the Negative Declaration signifying that the approval of the permit is not such a major Federal action affecting the quality of the human environment as to require the preparation of an environmental impact statement under section 102(2)(C) of the National Environmental Policy Act of 1969. (2) A copy of the Environmental Impact Analysis dated June 23/76 and signed by Mr. Lynn Hall, Soil Conservationist, B.I.A. representative signifying that the drilling of our well does not constitute a major Federal action affecting the quality of the human environment.

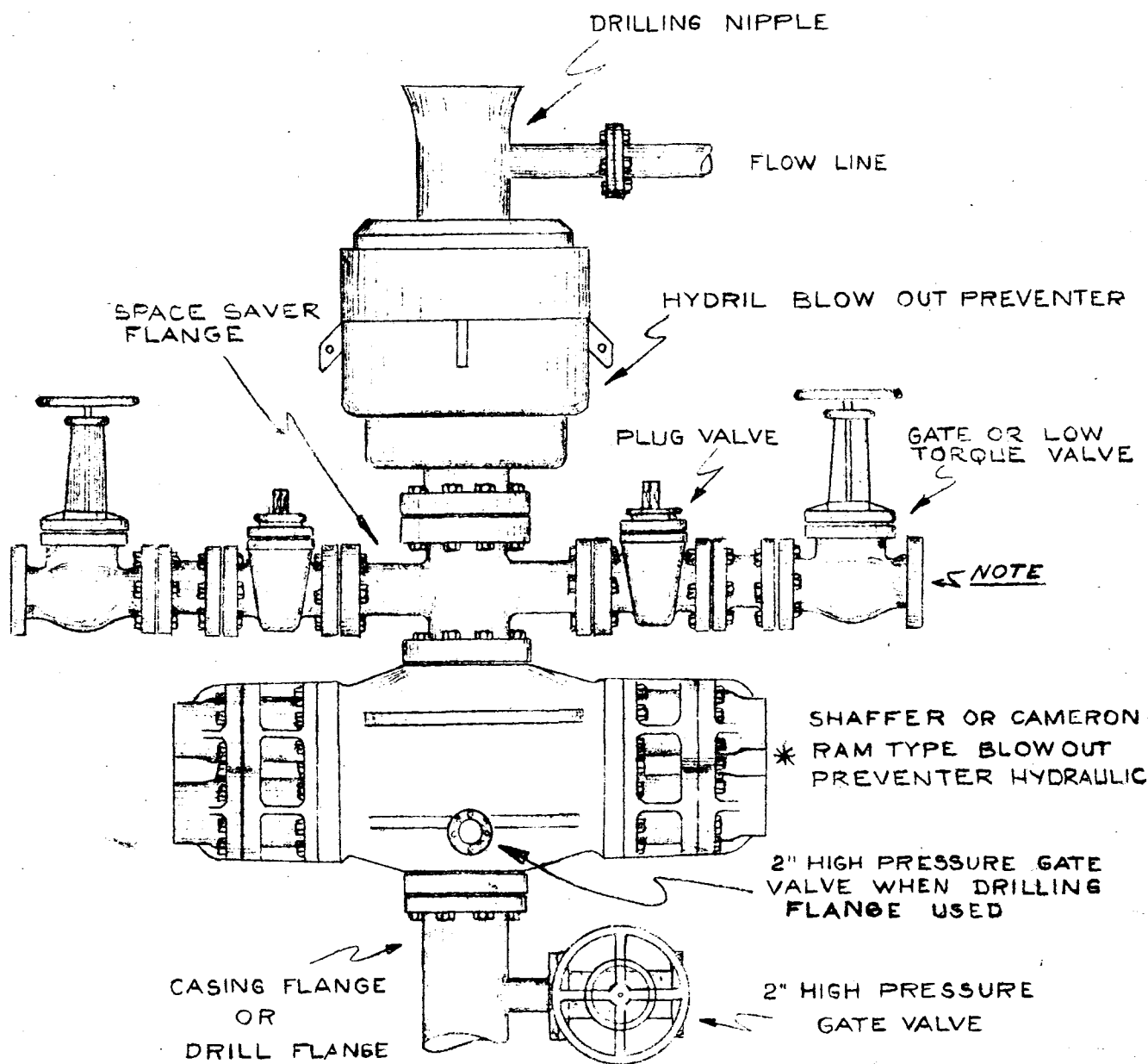
We trust that this information together with our previous submittals of June 22/76 will enable your Department to issue at the earliest possible date, U.S.G.S. approval for the drilling of this well.

Please direct all correspondence connected with the drilling of this well to the writer and should you require additional information, please contact me by telephoning collect Area Code 403-268-6457.

Yours very truly,

H.W. Leiper
Drilling Operations Manager

HWL:lm
Encl.



NOTE

PACIFIC CHOKE ASSEMBLY
MANIFOLD TO BE CONNECTED HERE.

* PERMISSION TO USE MANUAL RAM
TYPE PREVENTER TO BE
OBTAINED FROM HEAD OFFICE.

ORIGINAL END. 20207

PACIFIC PETROLEUMS LTD.		
PRODUCTION DEPT		FORT ST. JOHN. B. C.
BLOW OUT PREVENTER SPECIFICATIONS		
DESIGNED BY	DATE	APPROVED BY
DRAWN BY	DATE NOV. 23/65	CHIEF ENGINEER
CHECKED BY	DATE	DRAWING NO.
SCALE NONE		PROJECT NO.

PACIFIC PETROLEUMS LTD.

BOX 6666 • CALGARY, ALBERTA T2P 6T6 • PHONE 268-6666



PRODUCTION DEPARTMENT

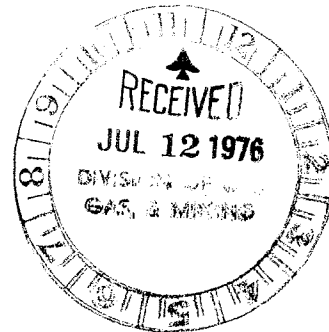
E. L. MOLNAR
MANAGER

Oil, Gas and Mining Conservation Commission
Division of the Department of Natural Resources
1588 - West N. Temple
SALT LAKE CITY, UTAH. 84116

Attention: Mr. Pat Driscoll
Chief Petroleum Engineer

Dear Sir:

Re: Asher N. Roosevelt #1
NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15, T1N, R1E
U.S.B. & M. Uintah County, Utah



This letter will confirm my various telephone conversations and visit to your office on June 24th/76 wherein your Department was advised that our Company plans to drill the subject well located approximately 2 $\frac{1}{2}$ miles northwest of Tridell, Utah.

Unfortunately I was unable to visit with you as you were out for the day, however, I wish to express my sincere thanks to Scheree Wilcox for the kind courtesies extended to me during my visit. Copies of all correspondence and applications etc. regarding our proposed well to the U.S. Geological Survey were left with Scheree.

For your approval and files, please find enclosed a copy of the Pressure monitoring and Control Data (7-Point Plan) and prints of our typical Blowout Preventer hook-up, fill-up and kill lines. Drilling bids have been solicited from the Industry and we will advise your Department the name of the successful Drilling Contractor.

Pacific Petroleum Ltd. is a large oil and gas producing company in Canada and is a subsidiary of Phillips Petroleum Company, Bartlesville, Oklahoma. Our wholly owned subsidiary registered in the U.S.A. is Asher American Inc.

The subject well will be drilled to an approximate depth of 7500 feet into the base of the Wasatch. The Green River will also be evaluated and is expected to be encountered at a depth of 4350 feet.

CIRCULATE TO:

DIRECTOR _____
PETROLEUM ENGINEER _____
MINE CONTROL _____
ADMINISTRATIVE ASSISTANT _____
ALL _____
RETURN TO Lathy will file
FOR FILING

We are presently waiting on U.S.G.S. approval to commence access road and wellsite construction and we hope to receive these approvals very shortly.

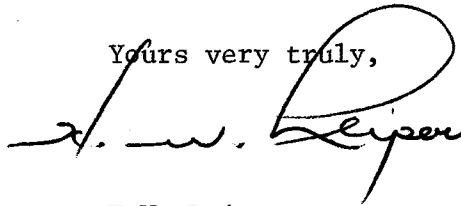
In addition to the U.S.G.S. approval to drill this well, would you please advise if it is also necessary to receive your Department's permission. Do you issue a Well License or a Permit? We are not clear on this matter and accordingly wish to have it clarified.

*Approval
letter
sent 6/25
HW*

Please direct all correspondence to the writer at the above address. My telephone number is 403-268-6457.

Thank you for your attention to this matter and we look forward to hearing from you in the near future.

Yours very truly,



H.W. Leiper
Drilling Operations Manager

HWL:lm
Encl.

PACIFIC PETROLEUMS LTD.

BOX 6666 • CALGARY, ALBERTA T2P 6T6 • PHONE 268-6666



PRODUCTION DEPARTMENT

E. L. MOLNAR
MANAGER

July 12, 1976

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Asher N. Roosevelt #1
NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 15, T. 1N, R. 1E, USM
Uintah County, Utah

Attention: Mr. Cleon Feight
Director



Gentlemen:

In accordance with Rule A-4, filing of a Designation of Agent, we hereby appoint Mr. George O. Relf, 313 Crandall Building, Salt Lake City, as our Utah agent for the drilling of the subject well. As per your requirement, please find attached the completed form in duplicate signifying the appointment of Mr. Relf.

We also wish to acknowledge receipt of Form OGC-8-X which will be completed whether or not water sand (aquifers) are encountered during drilling operations. Patrick L. Driscoll, Chief Petroleum Engineer of your division, will be notified immediately if it is necessary to plug and abandon the subject well.

Written notification as to the type of blowout preventer equipment to be installed will be forwarded to you upon selection of the Drilling Contractor.

CIRCULATE TO:

DIRECTOR ☒
PETROLEUM ENGINEER ☒
MINE ENGINEER ☐
ADMINISTRATIVE ASSISTANT ☒
ALL ☐

RETURN TO:

FOR FILING

Yours very truly,

H.W. Leiper
Drilling Operations Manager

HWL:lm
Encl.

PACIFIC PETROLEUMS LTD.

BOX 6666 • CALGARY, ALBERTA T2P 6T6 • PHONE 268-6666



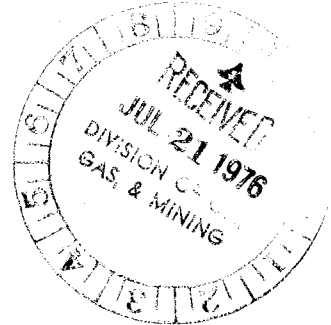
PRODUCTION DEPARTMENT

E. L. MOLNAR
MANAGER

July 16, 1976

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
SALT LAKE CITY, UTAH. 84116

Attention: Mr. Pat Driscoll
Chief Petroleum Engineer



Dear Sir:

Re: Asher N. Roosevelt #1
NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 15, T. 1N, R. 1E
USM Uintah County, Utah

In accordance with Rule C-3, we herewith furnish the following information:

- (a) Blow Out Prevention equipment will consist of
 - 1 - 12" Series 900 "GK" Hydril
 - 1 - 12" Double Cameron Series 900 Type SS
equiped with 4 $\frac{1}{2}$ " pipe rams and blind rams
- (b) Copy of the Geological Prognosis enclosed.

Before drilling out the surface casing shoe joint, both Blow Out Preventers will be pressure tested to 1000 psi and this pressure will be held for a period of 30 minutes. Thereafter and during the drilling operations both Blow Out Preventers will be closed each day at 8:00 A.M.

We wish to advise that Willard Pease Drilling Co. of Grand Junction, Colorado, has been awarded the contract to drill the subject well.

Yours very truly,

H.W. Leiper
Drilling Operations Manager

HWL:lm
Encl.

5

GEOLOGICAL PROGRAM

WELL NAME: Asher N. Roosevelt #1 (Utah) API No: 43-047-30228

LOCATION: NE Sec 15 Twp 1 N. Rge 1 E. U.S.B & M

ELEVATIONS: Ground: 5942' (surv.) Kelly Bushing: 5960' (est.)

<u>Geological Markers</u>	<u>Subsea</u>	<u>Estimated Depth</u>
*Green River	+1650	4310
*Wasatch	+ 750	5210
Fort Union	- 500	6460
Total Depth	-1540	7500

Note: Farm-in contract depth is 7500' or the base of the Wasatch Formation, whichever first occurs.

*Zones of Primary Interest

PROGRAM

1. The zones of primary interest are to be drill-stem tested, while drilling, if warranted by porosity and/or staining in samples.
2. Drill to total depth and run logs.
3. Additional drill-stem testing will depend on log and sample evaluations.

SAMPLES:

Asher - one bottled set, 10' intervals, from base of surface casing to total depth.
Gulf - to be determined.
U.S.G.S. - to be determined.
Dept. Nat. Res. (Utah) - none required.

ANALYSES:

Oil, gas and water recovered from all drill-stem tests (three samples - top, middle and bottom of recoveries).

LOGS: (Schlumberger)

Dual Induction - Laterolog

2" - 100'; total depth to surface casing (linear scale)
5" - 100'; total depth to surface casing (logarithmic scale)

Note: Use a 0-50, 0-500 ohm m²/m resistivity scale with a 0-200-400 mmho conductivity and an SP sensitivity of - 15 mv per division.

LOGS: (Cont'd)

Compensated Neutron-Formation Density - Gamma Ray - Caliper

2" - 100'; (Bulk Density) - total depth to surface casing.

5" - 100'; (CNL/FDC) total depth to surface casing with CNL and Gamma Ray to surface.

Note: Record all porosities on a 0 to 60% Sandstone porosity matrix. The repeat section is to be run (memorizer in) on a Sandstone matrix and labelled as such on the log heading. A $\Delta \rho$ correction curve is to be shown on the 2" scale of the density log.

REQUIREMENTS:

	<u>Logs</u>		<u>Analyses</u>	<u>DST Reports</u>
	<u>Field</u>	<u>Final</u>		
Asher American Inc.	2	2	2	2
Gulf Energy & Minerals Corp. (U.S.A.)	2	2	2	2
U.S.G.S.	2	2	2	2
Dept. of Nat. Res. - Div. Oil, Gas & Mining - State of Utah	2	2	2	2

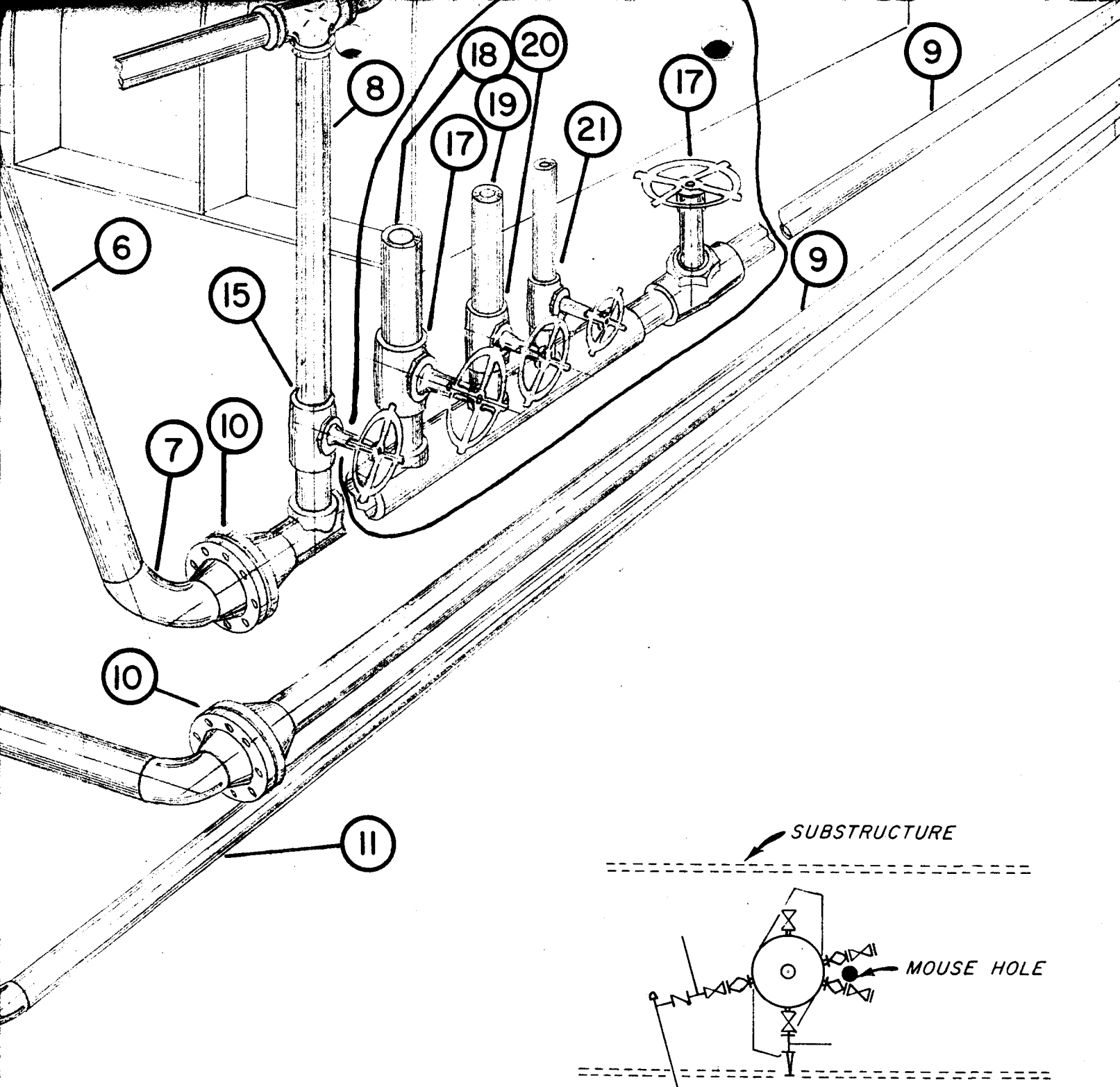
Morning Geological Reports to: (Prior to 9:00 a.m. daily)

1. G. W. Crocker	Business:	(403) 268-6405	Residence:	(403) 282-3747
2. J. C. Scott	Business:	(403) 268-6300	Residence:	(403) 243-1513

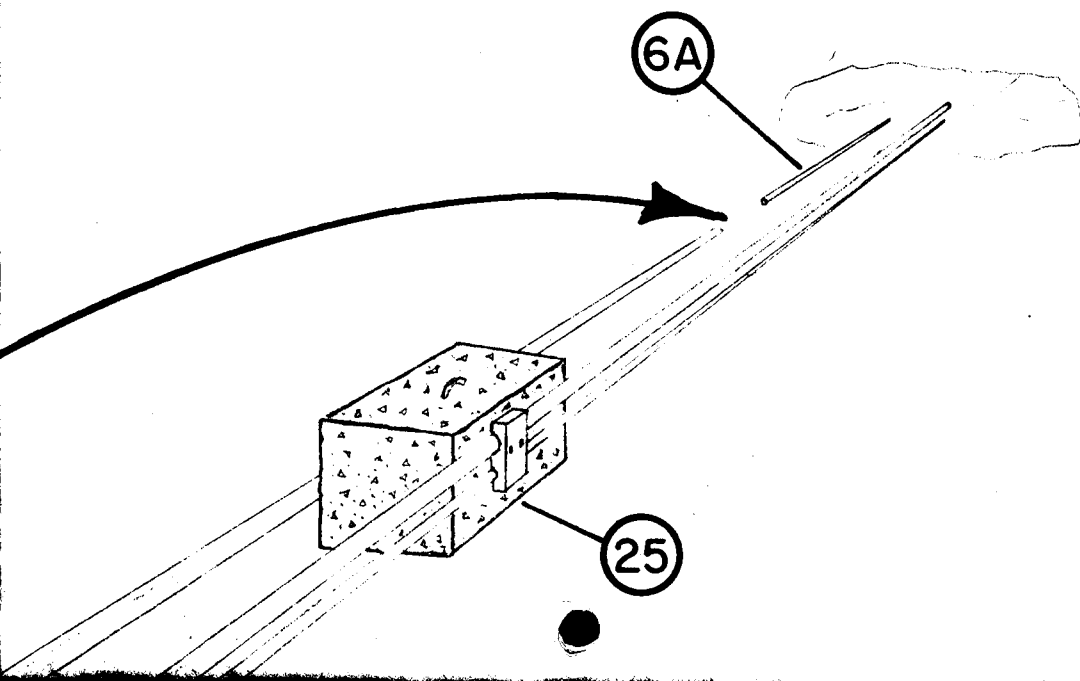
16

MUD TANK

TEST
LINE



REVISION	BY	DATE	FOR BIDS
	CHKD.	APP'D	
			FOR APPR.
			FOR CONST
			DESIGN
			DRAWN
			TRACED
			CHECKED
			APP'D



PACIFIC

MARK	Nº REQ ^D	DESCRIPTION
24	2	2" SER. 900 RTJ FLANGED R/P PLUG VALVE.
25	1	CEMENT FLARE LINE ANCHOR BLOCK.
26	1	2" SER. 900 RTJ FLANGED CHOKE WITH UPSTREAM FLANGE DRILLED FOR 1/2" GAUGE CONNECTION.
27	1	12" NOMINAL SER. 900 CASING BOWL W/ 2 - 2" 900 RTJ FLANGED OUTLETS



PACIFIC PETROLEUMS LTD.

CALGARY, ALBERTA



AFE
NO.S

SCALE N.T.S.
UNLESS OTHERWISE NOTED

DWG. NO. D100,100

SH. NO. L-2

REV. NO.



**BLOWOUT PREVENTER
SPECIFICATIONS FOR
DEVONIAN DRILLING.**

SMEETON JUNE/68

1-

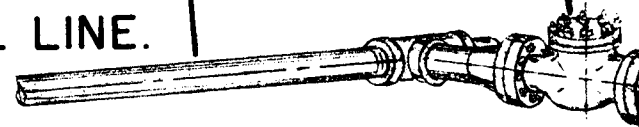
2-

3-

KILL LINE.

8

14




CONTRACTOR

4-

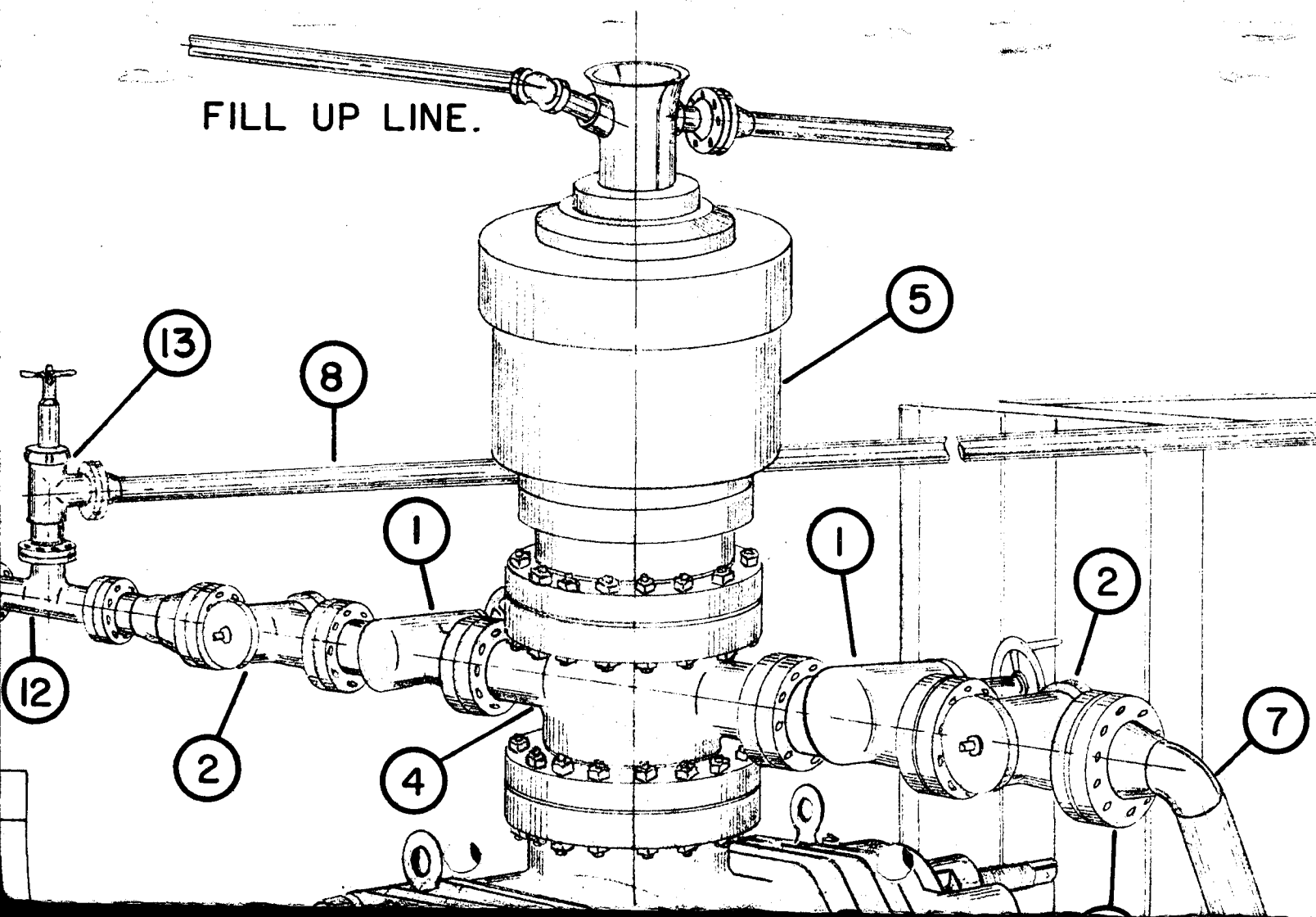
MARK	Nº REQ ^D	DESCRIPTION
1	3	3" SER. 900 RT. FLANGED FULL OPENING ALL STEEL GATE VALVE

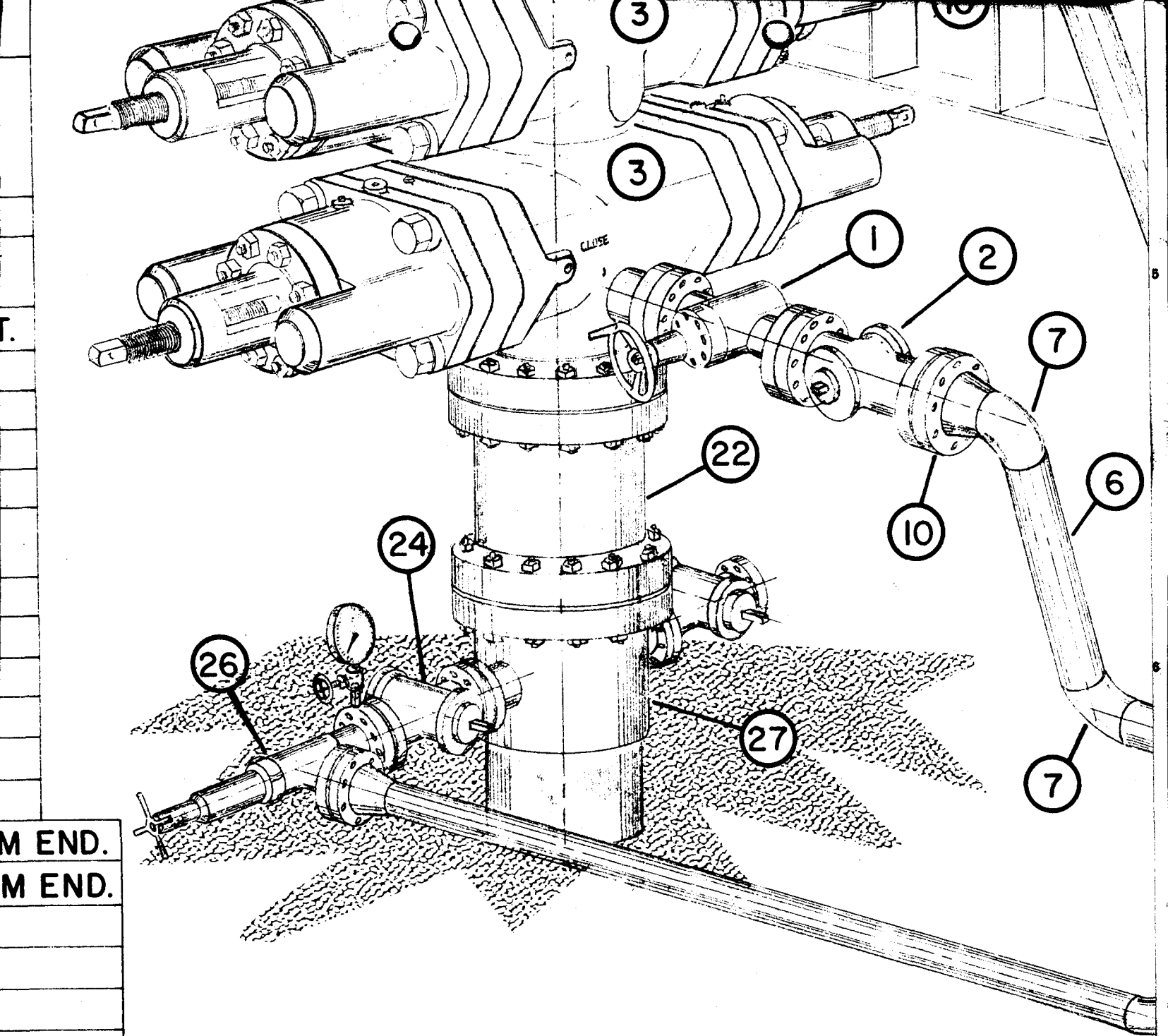
5-	2	3	3" SER. 900 RTJ FLANGED FULL OPENING ALL STEEL PLUG VALVE.
	3	1	12" SER. 900 DOUBLE GATE 'SHAFFER' (OR EQUAL) HYDRAULIC BLOW OUT PREVENTER. PIPE RAMS TOP, BLANK RAMS BOTTOM.
	4	1	12" x 12" x 3" x 3" SPOOL RTJ.
	5	1	12" SER. 900 HYDRIL (OR EQUAL) BLOW OUT PREVENTER.
	6	2	3" SCH. 80 LINE PIPE. <u>6A</u> - MINIMUM 15 F
6-	7	4	3" SCH. 80 45° L.R. WELD ELLS.
	8	3	2" SCH. 80 LINE PIPE.
	9	1	150' DRILL PIPE (FLARE LINE)
	10	6	3" SER. 900 RTJ W.N. FLANGE.
	11	2	150' - 2 7/8" 6.5" 8 RD THD. EUE TUBING (FLARE LINE)
7-	12	1	2" x 2" x 2" RTJ FLANGED SER. 900 TEE.
	13	1	2" SER. 900 RTJ FLANGED ADJ. CHOKE
	14	1	2" SER. 900 CHECK VALVE.
	15	1	2" SER. 900 ALL STEEL VALVE.
	16	1	2" SCH. 80 45° L.R. WELD ELL.
7-	17	2	3" SCREWED GATE VALVE - 1000 [#]
	18	1	3" LINE PIPE W/1/2" COLLAR MIN. 12" FRO
	19	1	2" LINE PIPE W/1/2" COLLAR MIN. 8" FRO
	20	1	2" SCREWED GATE VALVE - 1000 [#]
	21	1	1" SCREWED GATE VALVE - 1000 [#]
	22	1	12" x 12" SER. 900 RTJ SPACER SPOOL.
	23		1/2" STEEL TUBING MIN. STEAM TRACING FOR WINTER OPERATION.

REFERENCE DRAWING	PAC FILE/DWG No.	
	OTHER FILE/DWG No.	



FILL UP LINE.





M END.
M END.

IG.

						REV. No.	
		5				1	
		6				2	
		7				3	

C

D

E

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL ☒ DEEPEN ☐ PLUG BACK ☐

2. TYPE OF WELL
 OIL WELL ☒ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

3. NAME OF OPERATOR
 Asher American Inc. (Pacific Petroleum LTD.)

4. ADDRESS OF OPERATOR
 P. O. Box 6666, 700-6th Ave. S.W., Calgary, Alberta Canada T2P6T6

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 712' from North Line, 754' from East Line
 At proposed prod. zone

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 25 miles West of Vernal, Utah

7. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 640

8. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 7500'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)
 Ungraded Ground 5942'

5. LEASE DESIGNATION AND SERIAL NO.
 8-26529-00 14-20-H62-1435

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Ute

7. UNIT AGREEMENT NAME
 Asher American Inc.

8. FARM OR LEASE NAME
 Paul T. Walton- Uintah County

9. WELL NO.
 Asher N. Roosevelt #1

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 NE 1/4 NE 1/4 Sec. 15, T1N, R1E, U.S.B. & M. Uintah County, UT

12. COUNTY OR PARISH
 13. STATE

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8" new	36 lbs.	600'	to surface
8 3/4"	5 1/2" new	15.5 & 17 lbs.	7500'	as required by State and Federal Government



— Attachments —

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. [Signature] SIGNED Drilling Operations Manager TITLE June 23, 1976 DATE

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE DISTRICT ENGINEER DATE JUL 28 1976

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY
 COPY RETAINED DISTRICT OFFICE
 *See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

*Gas, Oil, Gas & Mining
State of Utah*

GEOLOGICAL PROGRAM

WELL NAME: Asher N. Roosevelt #1 (Utah) API No: 43-047-30228

LOCATION: NE Sec 15 Twp 1 N. Rge 1 E. U.S.B & M

ELEVATIONS: Ground: 5942' (surv.) Kelly Bushing: 5960' (est.)

<u>Geological Markers</u>	<u>Subsea</u>	<u>Estimated Depth</u>
*Green River	+1650	4310
*Wasatch	+ 750	5210
Fort Union	- 500	6460
Total Depth	-1540	7500

Note: Farm-in contract depth is 7500' or the base of the Wasatch Formation, whichever first occurs.

*Zones of Primary Interest

PROGRAM

1. The zones of primary interest are to be drill-stem tested, while drilling, if warranted by porosity and/or staining in samples.
2. Drill to total depth and run logs.
3. Additional drill-stem testing will depend on log and sample evaluations.

SAMPLES:

Asher - one bottled set, 10' intervals, from base of surface casing to total depth.
Gulf - to be determined.
U.S.G.S. - to be determined.
Dept. Nat. Res. (Utah) - none required.

ANALYSES:

Oil, gas and water recovered from all drill-stem tests (three samples - top, middle and bottom of recoveries).

LOGS: (Schlumberger)

Dual Induction - Laterolog

2" - 100'; total depth to surface casing (linear scale)
5" - 100'; total depth to surface casing (logarithmic scale)

Note: Use a 0-50, 0-500 ohm m²/m resistivity scale with a 0-200-400 mmho conductivity and an SP sensitivity of - 15 mv per division.

LOGS: (Cont'd)Compensated Neutron-Formation Density - Gamma Ray - Caliper

2" - 100'; (Bulk Density) - total depth to surface casing.

5" - 100'; (CNL/FDC) total depth to surface casing with CNL and Gamma Ray to surface.

Note: Record all porosities on a 0 to 60% Sandstone porosity matrix. The repeat section is to be run (memorizer in) on a Sandstone matrix and labelled as such on the log heading. AΔC correction curve is to be shown on the 2" scale of the density log.

REQUIREMENTS:

	<u>Logs</u>		<u>Analyses</u>	<u>DST Reports</u>
	<u>Field</u>	<u>Final</u>		
Asher American Inc.	2	2	2	2
Gulf Energy & Minerals Corp. (U.S.A.)	2	2	2	2
U.S.G.S.	2	2	2	2
Dept. of Nat. Res. - Div. Oil, Gas & Mining - State of Utah	2	2	2	2

Morning Geological Reports to: (Prior to 9:00 a.m. daily)

1. G. W. Crocker	Business:	(403) 268-6405	Residence:	(403) 282-374
2. J. C. Scott	Business:	(403) 268-6300	Residence:	(403) 243-151

TIN, RIE, U.S.B. & M.

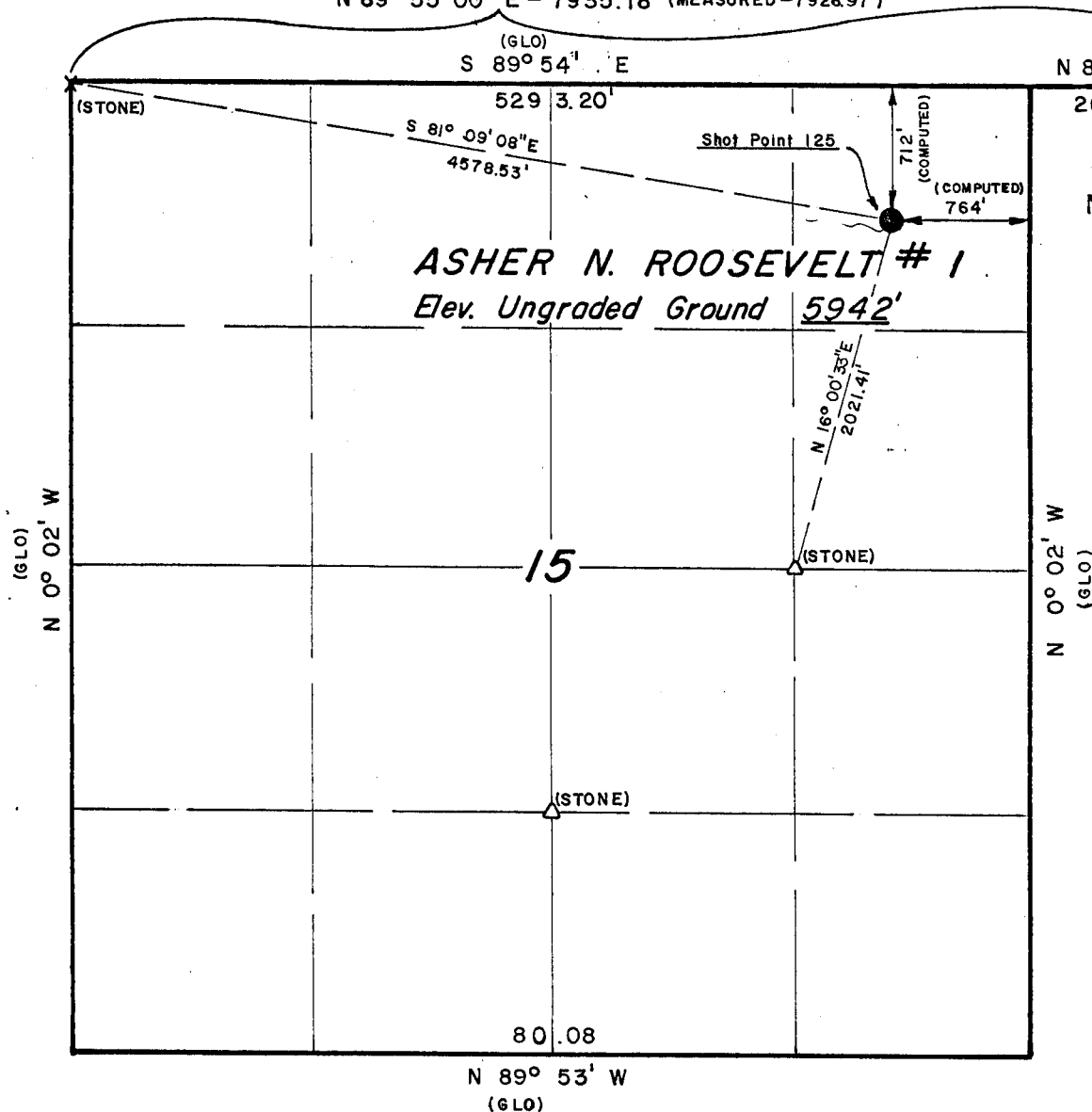
BASIS FOR BEARINGS

N 89° 55' 00" E - 7935.18' (MEASURED - 7926.97')

PROJECT

ASHER AMERICAN INCORPORATED

Well location, Asher N. Roosevelt #1, located as shown in the NE 1/4 NE 1/4 Section 15, T1N, R1E, U.S.B. & M. Uintah County, Utah.



NOTE: THE LOCATIONS OF THE N1/4 COR. & NE COR OF SEC. 15
WERE ESTABLISHED MATHEMATICALLY FROM PLATTED DISTANCES
& PROPORTIONMENT OF MEASURED DISTANCES AS SHOWN.
NO EVIDENCE OF SAID CORNERS WAS FOUND.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING
 P. O. BOX Q - 110 EAST - FIRST SOUTH
 VERNAL, UTAH - 84078

SCALE 1" = 1000'

DATE	6 / 23 / 76
------	-------------

PARTY	
LDT	TH

RS	REFERENCES GLO PLAT
----	------------------------

WEATHER HOT

FILE	ASHER AMERICAN INC.
------	---------------------

X = Section corners located.

Δ = 1/16 section corners located.

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Notice to Lessees and Operators of
Federal and Indian Onshore Oil and Gas Leases
(NTL-6)

APPROVAL OF OPERATIONS

In accordance with the National Environmental Policy Act of 1969 (83 Stat. 852), the United States Geological Survey must assure that operations on oil and gas leases under its jurisdiction are conducted with due regard for protection of the environment. All operations which are conducted on onshore Federal and Indian oil and gas leases must conform to the requirements of this Notice as well as those contained in the lease and in the Oil and Gas Operating Regulations, Title 30 CFR Part 221. Operations on Osage Indian oil and gas leases and exploration activities under Title 43 CFR 3045 are not included within the purview of this Notice.

As used in this Notice, the term "District Engineer" means that Officer of the United States Geological Survey who is the head of the District Office supervising operations in the geographic area in which the operation is located. In the State of Alaska, the Area Oil and Gas Supervisor will administer the requirements of this Notice. In some special instances, other Area Oil and Gas Supervisors will act on permit applications.

I. General

In order that the environmental impact of proposed operations may be properly evaluated, all applications to conduct leasehold operations or construction activities must be accompanied by an appropriate surface use plan. As a minimum, such applications and surface use plans must provide a detailed description

Lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which (1) results in diligent development and efficient resource recovery; (2) affords adequate safeguards for the environment; (3) results in the proper rehabilitation of disturbed lands; (4) assures the protection of the public health and safety; and, (5) conforms with the best available practice. In that regard, lessees and operators will be held fully accountable for their contractors' and subcontractors' compliance with the requirements of the approved permit and surface use plan.

All approvals of proposed operations as well as subsequent instructions and regulation thereof will be by the District Engineer of the Geological Survey. However, the Federal surface management agency will establish the rehabilitation requirements and will be available for consultation during rehabilitation operations. Names, addresses, and phone numbers of appropriate personnel of the Geological Survey and the Federal surface management agency, as well as approved surface use areas, will be furnished the lessee or operator with its approved copy of the permit and surface use plan.

Lessees and operators, as well as their contractors and subcontractors, must not commence any operation or construction activity on a lease without the prior approval of the appropriate official of the Geological Survey. Said approvals may be oral in emergency situations or in instances such as subsurface plugging programs for newly-drilled dry holes or failures. Any oral approval so received must be followed by a written application and approval thereof for confirmation. Likewise, the terms and conditions of an approved permit and surface use plan may not be altered unless the Geological Survey has approved an amended or supplemental permit and/or plan covering any such modifications. Approval of subsequent operations is addressed in Section V. of this Notice.

plan. Where private surface is involved, it should also include a copy of the written agreement between the lessee or operator and the surface owner, a letter from the lessee or operator setting forth the rehabilitation requirements agreed to with said owner, or a letter stating the reasons why such agreement is not obtainable. The requirements for surface use and operations plans and the rehabilitation of private surface are contained in Sections III. and VI., respectively, of this Notice.

The application for permit to drill must provide information concerning (1) the location, as determined by a registered surveyor, in feet and direction from the nearest section lines of an established public land survey or, in areas where there are no public land surveys, by such other method as is acceptable to the District Engineer; (2) the elevation above sea level of the unprepared ground; (3) the geologic name of the surface formation; (4) the type of drilling tools and associated equipment to be utilized; (5) the proposed drilling depth; (6) the estimated tops of important geologic markers; (7) the estimated depths at which anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered; (8) the proposed casing program including the size, grade, and weight of each string and whether it is new or used; (9) the proposed setting depth of each casing string and the amount and type of cement (including additives) to be used; (10) the lessee's or operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings (or API series), and the testing procedures and testing frequency; (11) the type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained; (12) the testing, logging, and coring programs to be followed with provision made for required flexibility; (13) any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfide gas, along with plans for mitigating such hazards; (14) the anticipated starting date and duration of the operation; and, (15) any other facets of the proposed operation which the lessee or operator wishes to point out for the Geological Survey's consideration of the application. The District Engineer will require additional information as warranted.

A. Guidelines for the preparation of surface use and operations plan

In the preparation of surface use and operations plans, lessees and operators should submit maps, facility layouts and narrative descriptions which adhere closely to the following:

1. Existing roads. A legible map (USGS topographic, county road map, or such other map as is acceptable to the District Engineer and the Federal surface management agency) shall be used for locating the proposed well site in relation to a town or other locatable reference point. The proposed route to the location including appropriate distances from the reference point to the point where the access route exits the highway or county road shall be shown. All proposed access roads shall be appropriately labeled or color coded. Additionally, all existing roads within a radius of three miles (including information relative to the type of surface, condition, and load capacity) from the location of a proposed exploratory well should be shown. For the purpose of this Notice, an exploratory well is defined as a well which is located two miles or more from the boundary of a Known Geologic Structure (as such term is defined by USGS) or a producible well. For all other drillsites (development wells), existing roads within a one-mile radius of the location should be shown.

Any plans for the improvement and/or maintenance of existing roads should also be stated.

Information required by item Nos. 2, 3, 4, 5, 6, 7, and 9 of this subsection may also be shown on this map if appropriately labeled.

2. Planned access roads. Information in this regard is to be submitted on a map of suitable scale and shall appropriately identify all permanent and temporary access roads that are to be constructed, or reconstructed in connection with the drilling and production of the proposed well. Width,

established and those facilities are to be located at other than on the well site itself, the map or plat furnished in this regard must also indicate the location of all proposed new facilities. The dimensions of these facilities, the proposed construction methods and materials, and the protective measures and devices to be employed to minimize hazards to livestock, waterfowl, and other wildlife will be stated. The approximate center locations of all production facility locations and the center lines of proposed gathering and service lines will be staked. A plan for rehabilitation of all disturbed areas no longer needed for operations and maintenance will also be submitted. Future prospects for additional development of the leasehold should be considered in the siting of new facilities. However, final approval to construct such new facilities will not be granted until after detailed plans have been submitted and evaluated pursuant to Section V. hereof.

5. Location and type of water supply (rivers, creeks, lakes, ponds, and wells). This information may be shown by quarter-quarter section on a plat or map of suitable scale or may be a written description. The source of all water to be used in drilling the proposed well must be noted if located on Federal or Indian land or if water is to be used from a Federal or Indian project. The method of transporting the water shall be stated, and any access roads crossing Federal or Indian land needed to haul the water will be described in item Nos. 1 or 2, as appropriate. However, the Survey's approval of the surface use and operations plan does not relieve the lessee or operator from obtaining any other authorization which may be required for the use of such water. Moreover, if a water supply well is to be drilled on the lease, it must be so stated under this item, and the District Engineer may require the filing of a separate application for permit to drill.

After approval and before construction commences, the exterior dimensions of the pad and reserve pit will be staked on the ground. The stakes should be appropriately marked to indicate proper cuts and fills to the dirt contractor.

10. Plans for restoration of the surface. State the proposed program for surface restoration upon completion of the operation such as determination of the reshaped topography, drainage system, segregation of spoils materials, surface manipulations, waste disposal, revegetation methods, soil treatments, and amendments, plus other practices necessary to rehabilitate all disturbed areas including any access roads no longer needed. Such plans will be reviewed for adequacy by the appropriate Federal surface management agency. A proposed timetable for the commencement and completion of rehabilitation operations must be provided.
11. Other information. Include a general description of the topography, soil characteristics, formation lithologies, geologic features, flora, fauna, and other aspects of the area such as other surface use activities. The surface ownership (Federal, Indian, State, or private) at the well location and for all lands which are to be crossed by newly constructed or upgraded roads should be indicated.

Any other available information which is considered by the lessee or operator as being useful to the Geological Survey and Federal surface managing agency in evaluating the environmental impact of the proposed operation, including proximity to steep hillsides and gullies, water wells, ponds, lakes, or streams, occupied dwellings, or other facilities, and archeological, historical, or cultural sites, should be included.

Information concerning required cuts and fills during the construction of roads and the location and all construction practices necessary to accommodate potential geologic hazards should be discussed under the appropriate items of the plan.

12. Lessee's or operator's representative. Include the name, address, and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan.

environment as defined by Section 102(2)(C) of the National Environmental Policy Act of 1969. Any surface protection and rehabilitation requirements specified by the Federal surface management agency will normally be made a part of any subsequently approved permit and/or the surface use and operations plan.

Due to the probability of an onsite inspection, the required input from other Federal agencies, and the variations in the level of drilling activity, lessees and operators are encouraged to file applications well in advance of the time when it is desired to commence operations.

V. Approval of Subsequent Operations

Before repairing, deepening, or conditioning a well, i.e., work that will involve change in the original or plugged back depth, casing arrangement, and/or present producing interval(s) including separation or commingling, a detailed written statement of the plan of work must be filed on Form 9-331A or 9-331C with the District Engineer and approval obtained before the work is started. Any proposed change in any such plan of work must also receive the prior approval of the District Engineer. Routine well work such as pump, rods, tubing and surface production equipment repairs will not require submittal of Form 9-331A unless specifically required by the District Engineer.

Lessees and operators are also required to submit for the approval of the District Engineer a suitable plan prior to undertaking any subsequent new construction, reconstruction, or alteration of existing facilities, including roads, dams, lines or other production facilities on any lease when additional surface disturbance will result. However, emergency repairs may be conducted without prior approval provided that prompt notification is provided to the District Engineer. Sufficient information must be submitted to permit a proper evaluation of the proposed surface disturbing activities as well as any planned accommodations necessary to mitigate potential adverse environmental effects.

The environmental analysis procedures discussed in Section IV. of this Notice will also apply to such subsequent operations which have the potential for significant surface disturbance although these requirements may be somewhat less in established producing areas.

that the location is ready for inspection usually via an additional Sundry Notice. Final abandonment will not be approved until the surface rehabilitation work required by the drilling permit or abandonment notice has been completed and the required vegetation is established to the satisfaction of the appropriate Federal surface management agency.

VIII. Water Well Conversion

The complete abandonment of a well which has encountered usable fresh water will not be approved if the Federal surface management agency wants to acquire the well. If, at abandonment, the Federal surface management agency elects to assume further responsibility for the well, it will reimburse the lessee or operator for the cost of any recoverable casing or well head equipment which it requests to be left in or on the hole solely because it is to be completed as a water well. The lessee or operator will abandon the well to the base of the deepest fresh water zone of interest as required by the District Engineer and will complete the surface cleanup and rehabilitation as required by the drilling permit or abandonment notice immediately upon completion of the conversion operations.

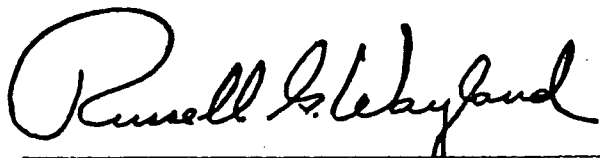
JUN 1 1976

Date


Oil and Gas Supervisor

Northern Rocky Mountain Area

Approved:


Russell G. Wayland
Chief, Conservation Division

ASHER AMERICAN INCORPORATED

12 Point Surface Use Plan

for

Well Location

Asher N. Roosevelt #1

Located In

Sec. 15, T1N, R1E, U.S.B. & M.

Uintah County, Utah

1. EXISTING ROADS

See attached topographic map. To reach Asher American Inc. well location in Sec. 15 T1N, R1E, U.S.B. & M., proceed North on County Road from Tridell, Utah 2.6 miles, exit to the West onto existing unimproved dirt road and proceed 0.6 miles, exit to the Northwest onto the proposed access road and proceed 0.3 miles to said location site. The existing 0.6 miles of unimproved dirt road will require min. grading but no other improvements are anticipated at this time.

2. PLANNED ACCESS ROAD

The proposed access road will be a 33' wide road (16.5' on either side of the centerline) with a side drain ditch on each side to handle drainage. Maximum grade on the proposed access road is approximately 3%. The access road is to be constructed of native borrow. One 12" culvert shall be installed in the natural drainage 250' east of the location site and covered with native borrow. The proposed access road will leave the location site on the East side and proceed Southeasterly approximately 0.3 miles to the existing unimproved dirt road.

3. LOCATION OF EXISTING WELLS

A dry hole is located in the SE 1/4 SW 1/4 Sec. 15, T1N, R1E, U.S.B. & M. There are no other know wells within a radius of 2 miles. (See location plat for placement of Asher American Inc. well within section).

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

All production facilities are to be contained within the proposed location site. There are no other Asher American Inc. flow, gathering, injection or disposal lines within a one mile radius.

5. LOCATION AND TYPE OF WATER SUPPLY

Water used to drill this well is to be hauled from Whiterocks and Ouray Valley Canal approximately one mile to the Southeast of the location site in the SE 1/4 SW 1/4 Section 14, T1N, R1E, U.S.B. & M along the existing county road.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location and access road are to be borrow material accumulated during construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time.

7. METHODS FOR HANDLING WASTE DISPOSAL

All garbage and trash that can be burned shall be burned. All unburnable garbage and trash accumulated during the development of this well shall be contained in the trash pit shown on the attached location layout sheet. On completion of this well, this pit shall be covered with a minimum 4' of cover. All production waste such as cuttings, salts, chemicals, overflows of condensate, water, and drilling fluids shall be contained in the reserve pit and on completion of the well buried with a minimum 4' of cover. A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned at this time.

9. WELL SITE LAYOUT

See attached location layout plat. B.I.A. District Manager shall be notified before any construction begins on the proposed location site.

10. PLANS FOR RESTORATION OF THE SURFACE

As there is some topsoil in the area, all topsoil will be stripped and stockpiled prior to drilling. When all production activities have been completed, the location site and access road will be reshaped to the original contour and the topsoil spread over the disturbed area. Any drainages re-routed during construction and production activities shall be restored to their original line of flow. All wastes being contained in the reserve pit and trash pit shall be buried with a minimum 4' of cover. The culvert installed in the access road will be removed, and the drainage cleared of all debris to the satisfaction of the B.I.A. District Manager and reseeded with a seed mixture recommended by the B.I.A. District Manager when the moisture content of the soil is adequate for germination. Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun they shall be completed within 30 days.

11. OTHER INFORMATION

Topography of the general area consists of small rolling hills trending North-South with some rock out croppings and ledges occurring along the steeper ridges. Level areas occur intermittently throughout the area. Drainages in the area are intermittent in nature running occasionally in the spring time and draining South into the annually flowing Whiterocks and Ouray Valley canal. Soils of this semi-arid area are light brown clayey soils containing some poorly graded gravels, of the Duchesne River Formation Tertiary Eocene Age (Fluvial sandstone and mudstone). The marginal top soil throughout the area supports the juniper and pinion forest. The open flats are vegetated with sage brush and grasses (vegetation of the area consists of approx. 40% juniper and pinion forest 50% sagebrush and grasses and 10% bare earth). The private ground in the area is used primarily for farming. Wildlife is sparse; predominantly deer, coyotes, rabbits, and a variety of small round squirrels and mice. Birds in the area are hawks, finches, ground sparrows, magpies, and jays. The location site is located on a sloping hillside, a drainage parallels the location on the west and also on the east of the location site. Steep hillsides vegetated with dense juniper and pinion forest parallel the approx. 1/4 mile to the North and East. The ground slopes through the location site on approximately a 5% grade and is vegetated with sage brush and grass. There are no occupied dwellings, or other facilities including archeological, historical, or cultural sites within any reasonable close proximity of the proposed location site.

12. LESSEES'S OR OPERATOR'S REPRESENTATIVE

H. W. Leiper Drilling Operations Manager
Pacific Petroleum LTD. Box 6666 Calgary, Alberta, T2P 6T6 Canada
Ph: 403-268-6457

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by _____

_____ and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

Name and Title

STA 0+00

STA 1+50

STA 3+00

④ ELEV. 45.49'
C-5.2

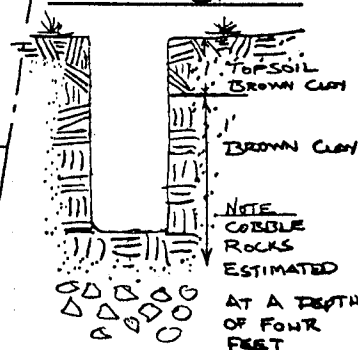
TOILET

⑤ ELEV. 46.22
C-6.5'

PROPOSED ACCESS

⑥ ELEV. 45.22
C-5.5'

SOILS LITHOLOGY
AT LOC. STAKE



ASHER AMERICAN INC.
LOCATION LAYOUT

ASHER N. ROOSEVELT NB1

SECTION 15, T1N, R1E, USM

③ ELEV. 39.39
F-1.1'

150'

PIPE
RACKS

PARKING

DOG HOUSE

WATER

RIG

ELEV. 41.72
C-1.3'

PUMP
HOUSE

MUD SHED

FUEL

STORAGE

150'

⑦ ELEV. 41.22
C-1.5'

DIRTY STORAGE

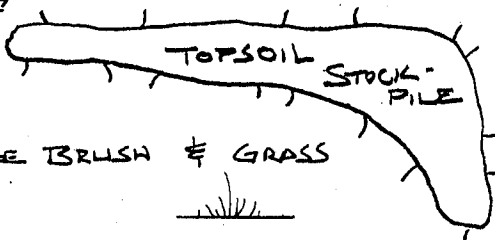
70'

PUMP

MUD TANKS

PUMP

② ELEV. 35.79
F-4.2'



① ELEV. 38.29
F-2.4'

RESERVE PIT
(8' DEEP)

100'

150'

⑧ ELEV. 39.49
F-1.2'

WIND DIRECTION
EAST

DATE 6-23-76
SCALE 1"=40'

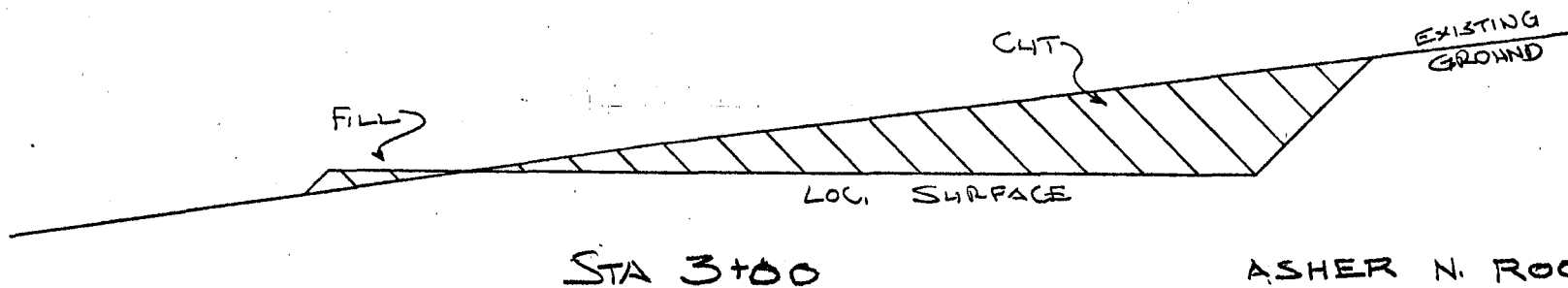
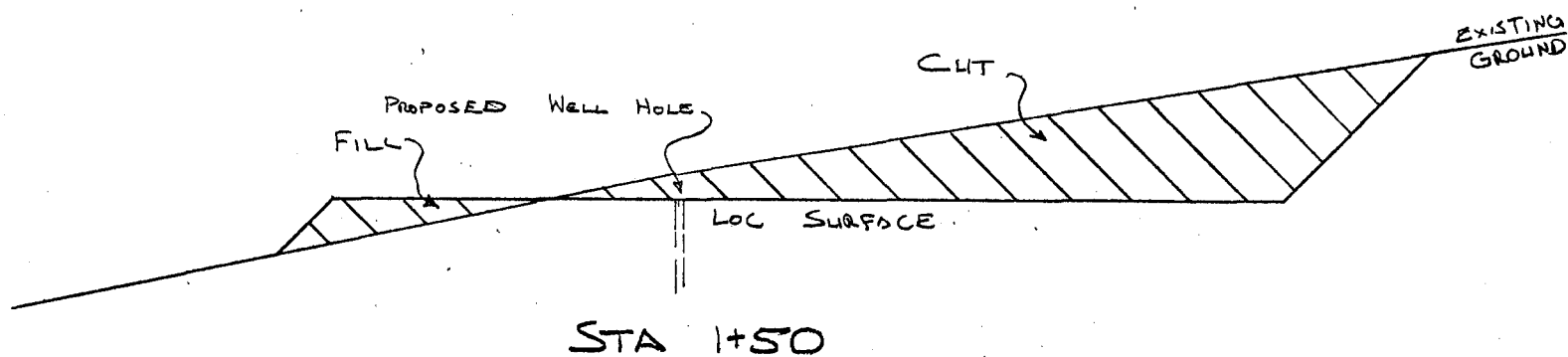
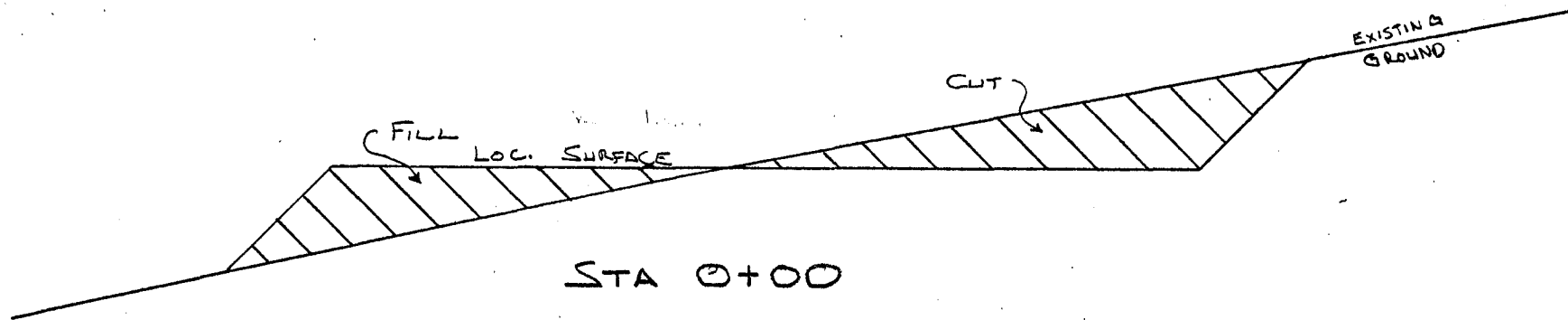
25'X25'
BURN &
TRASH PIT

APPROX YARDAGES

CLT = 4996 CU. YDS.

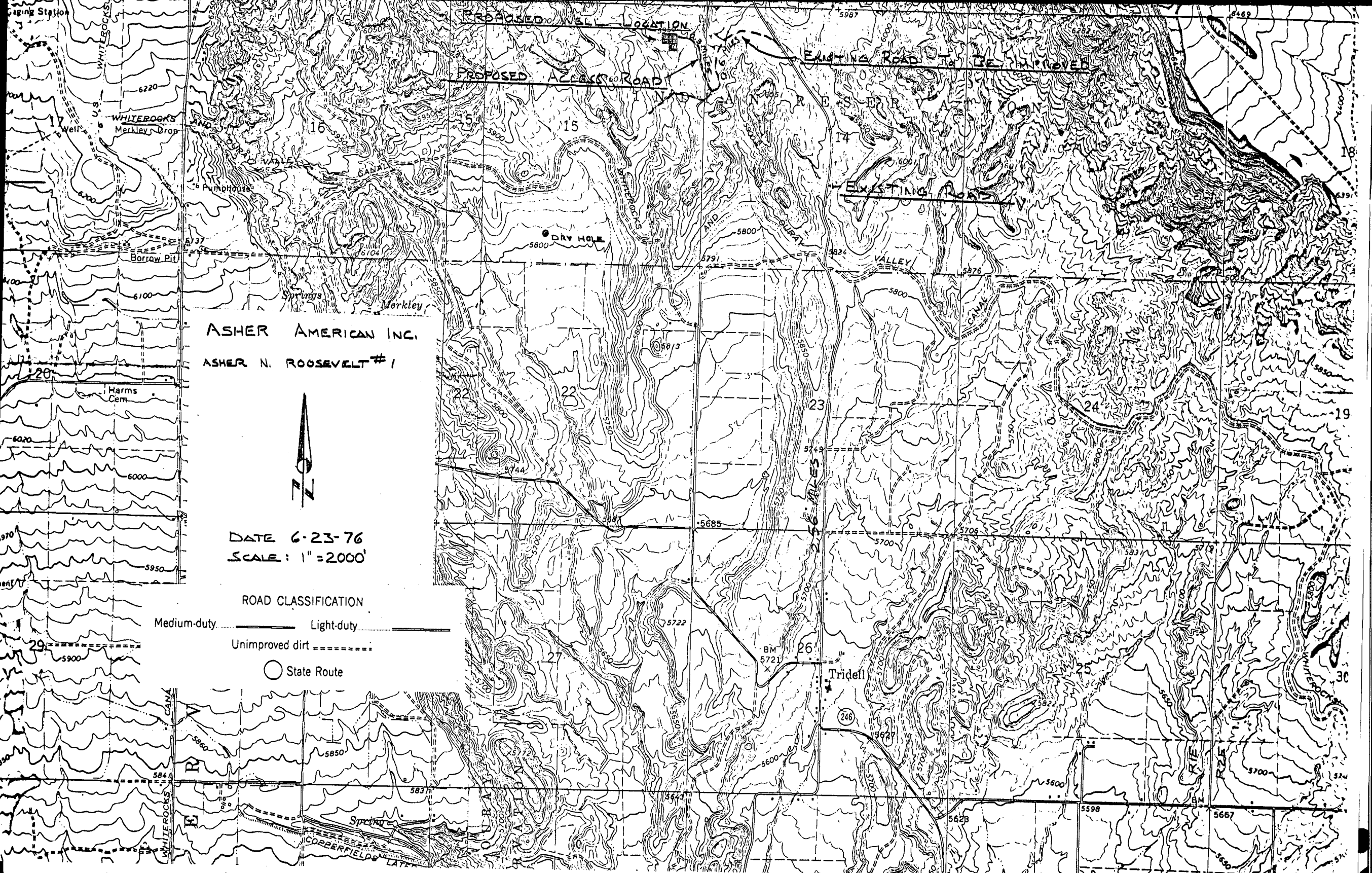
FILL = 1052 CU. YDS.

NOTE: SEE CROSS SECTION SHEET



ASHER N. ROOSEVELT N^o 1
CROSS SECTIONS





ASHER AMERICAN INC.
ASHER N. ROOSEVELT #1

DATE 6-23-76
SCALE: 1"=2000'

ROAD CLASSIFICATION
Medium-duty ——— Light-duty - - - - -
Unimproved dirt
○ State Route

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Asher American Inc. Location NE 1/4 NE 1/4 Sec. 15, T1N, R

Well No. Asher N. Roosevelt #1 Lease No. 8-26529-00

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no material deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the final casing string is run. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
3. No location will be made or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. In the event abandonment of the hole is desired, a verbal request may be approved by this office but must be timely followed with a confirmation request in writing using the "Sundry Notice" (form 9-331). If a well is suspended or abandoned, all pits will be fenced until they are backfilled.
4. The spud date will be reported to the District Engineer within 48 hours and Form 9-329, "Monthly Report of Operations" will

District Oil and Gas Engineer
U. S. Geological Survey
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

Re: Stipulation

Dear Sir:

Asher American Inc. is the owner of U. S. Oil and Gas Lease 8-26529-00, and proposes to drill a well on the leased premises to test for oil and gas at a location in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ $\frac{1}{4}$ Section 15, T. 1N, R. 1E, U.S.B. & M. Mer., Uintah County, State of Utah, 712' from North line and 764' from East line of Section 15.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately from the boundary line of the $\frac{1}{4}$ $\frac{1}{4}$ of Section, but is considered to be necessary because of .

NOT APPLICABLE

Therefore, , Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, , Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the $\frac{1}{4}$ $\frac{1}{4}$ and the $\frac{1}{4}$ $\frac{1}{4}$, Section , T. , R. , Mer., and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

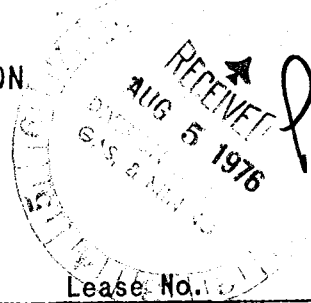
Very truly yours,

H. W. Leiper
Drilling Operations Manager
Asher American Inc.
Pacific Petroleum LTD.

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH



Well

Location

Lease No.

Asher American, Inc.
Walton #1

712'FNL, 754'FEL sec. 15, T. 1 N., R. 1 E.,
USM, Uintah Co. Gr. El. 5942'

14-20-H62-1435

1. Stratigraphy and Potential This well is close to the Walton-Ute Tribal #1, same Oil and Gas Horizons. section, which reported tops: Duchesne River-surface, Uinta Fm.-3225', Green River-5080', Wasatch-8300'. Apparently this current test plans to look at basal Green River Fm. only.
2. Fresh Water Sands. The well mentioned in item 1 reported a flow of 90 Bph of fresh, soft water from Ss. at depth of 5170'. BIA & Tribe turned down offer of purchase of casing to save well for water. WRD reports as follows: see page 2.
3. Other Mineral Bearing Formations. Coal, if present is at great depth (more than (Coal, Oil Shale, Potash, Etc.) 6000') in Cretaceous rocks. Within oil shale withdrawal E.O. 5327'. Outside area covered by Cashion's oil shale maps. Mahogany if developed is at great depth, traces of oil shale reported in well in item 1.
4. Possible Lost Circulation Zones. Unknown.
5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. Unknown.
6. Possible Abnormal Pressure Zones and Temperature Gradients. Unknown.
7. Competency of Beds at Proposed Casing Setting Points. Probably competent.
8. Additional Logs or Samples Needed. None.
9. References and Remarks None.

Date: August 4, 1976

Signed:

State Dir & Gas
BR alt

Depths of fresh-water zones:

Sun Oil Co., Bert Tapoof #1, Wildcat

1,847 fwl, 2,111' fsl, sec 28, T 1 N, R 1 E, USB&M, Uintah Co., Utah

Elev 5,892 ft G. Proposed depth 15,150 ft.

<u>Stratigraphic units</u>	<u>Tops, roughly approx.</u>	<u>Quality of water</u>
Alluvium-Duchesne River Fm.	surface	fresh/usable/saline
Uinta Formation	3,500 ft	saline
Green River Formation	6,000 ft	saline
Wasatch Formation	9,000 ft	brine

Water wells in this area are less than 500 feet deep. Usable water may be found as deep as 3,000 feet below land surface. Deeper aquifers contain more saline water or brine.

USGS - WRD
4-6-72



Phone
522-1206 Area 303

CONF
LYNES, INC.

Box 712
Sterling, Colo. 80751

Contractor Willard Pease Drlg. Top Choke 1"
Rig No. 3 Bottom Choke 9/16"
Spot NE-NE Size Hole 8 3/4"
Sec. 15 Size Rat Hole --
Twp. 1 N Size & Wt. D. P. 3 1/2" 13.30
Rng. 1 N Size Wt. Pipe --
Field Wildcat I. D. of D. C. 2 1/4"
County Uintah Length of D. C. 150'
State Utah Total Depth 6860'
Elevation 5953' "K.B." Interval Tested --
Formation Wasatch Type of Test Bottom Hole
Conventional

Flow No. 1 -- Min.
Shut-in No. 1 -- Min.
Flow No. 2 -- Min.
Shut-in No. 2 -- Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. --
Mud Weight --
Gravity --
Viscosity --

Tool opened @ --

PRD Make Kuster AK-1
No. 3697 Cap. 3700 @ --

	Press	Corrected
Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	

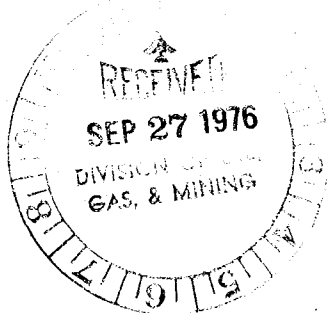
Our Tester: Perry Eker

Witnessed By: Vern Harkins

Did Well Flow -- Gas No Oil No Water No
RECOVERY IN PIPE: MISRUN - Could not reach bottom.

TIGHT HOLE

REMARKS:



Operator Asher American, Inc. Well Name and No. Asher-Roosevelt #1 DST No. 1
Address See Distribution Ticket No. 2334 Date 9-20-76 No. Final Copies 8

Contractor Willard Pease Drlg.
Rig No. 3
Spot NE-NE
Sec. 15
Twp. 1 N
Rng. 1 E
Field Wildcat
County Uintah
State Utah
Elevation 5953' "K.B."
Formation Wasatch

Top Choke 3/8"
Bottom Choke 9/16"
Size Hole 8 3/4"
Size Rat Hole --
Size & Wt. D. P. 3 1/2" 13.30
Size Wt. Pipe --
I. D. of D. C. 2 1/4"
Length of D. C. 150'
Total Depth 6860'
Interval Tested 6787-6860'
Type of Test Bottom Hole Conv.

Flow No. 1 5 Min.
Shut-in No. 1 30 Min.
Flow No. 2 60 Min.
Shut-in No. 2 120 Min.
Flow No. 3 -- Min.
Shut-in No. 3 -- Min.

Bottom
Hole Temp. 118°F
Mud Weight 9.3
Gravity --
Viscosity 68

Tool opened @ 10:49 AM.

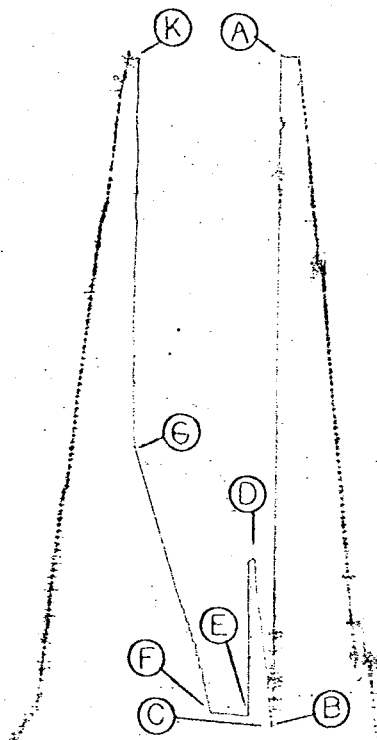
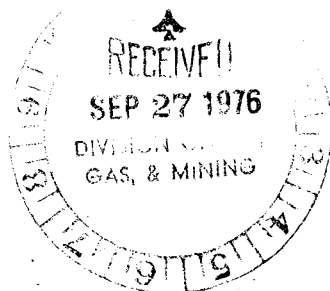
Inside Recorder

PRD Make Kuster AK-1
No. 3697 Cap. 3700 @ 6792'

Press	Corrected
Initial Hydrostatic A	3252
Final Hydrostatic K	3244
Initial Flow B	64
Final Initial Flow C	74
Initial Shut-in D	844
Second Initial Flow E	115
Second Final Flow F	133
Second Shut-in G	1379
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Our Tester: Perry Eker

Witnessed By: Vern Harkins



Did Well Flow — Gas Yes Oil No Water No
RECOVERY IN PIPE: 400' Gas cut mud with oil = 2.58 Bbl.
R.W. 3.7 @ 71°F = 1500 ppm. chl.

1st Flow- Tool opened with fair 3" underwater blow, increased to
to bottom of bucket in 30 seconds and remained thru flow
period. Gas to surface 16 minutes into initial shut-in.
2nd Flow- Tool opened with gas to surface, see gas volume report.

REMARKS:

Breakdown of shut-in pressures not practical for Horner
Extrapolation.

TIGHT HOLE

Operator Asher American, Inc.

Well Name and No. Asher-Roosevelt #1

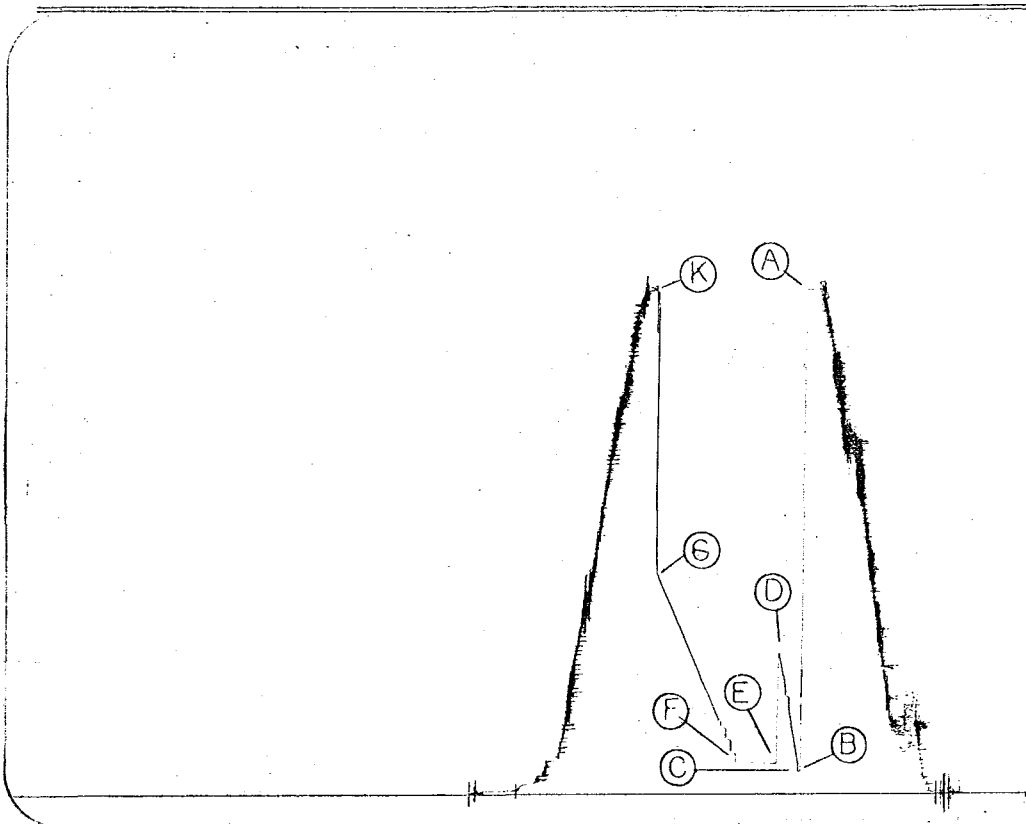
Ticket No. 2335

Date 9-21-76

No. Final Copies 8

LYNES, INC.

Operator Asher-American, Inc. Lease & No. Asher-Roosevelt #1 DST No. 2



Inside Recorder		
PRD Make	Kuster AK-1	
No. 3812	Cap. 5100	@ 6853'
Press		Corrected
Initial Hydrostatic	A	3310
Final Hydrostatic	K	3290
Initial Flow	B	140
Final Initial Flow	C	140
Initial Shut-in	D	913
Second Initial Flow	E	192
Second Final Flow	F	203
Second Shut-in	G	1428
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Pressure Below Bottom
Packer Bled To

PRD Make		
No.	Cap.	@
Press		Corrected
Initial Hydrostatic	A	
Final Hydrostatic	K	
Initial Flow	B	
Final Initial Flow	C	
Initial Shut-in	D	
Second Initial Flow	E	
Second Final Flow	F	
Second Shut-in	G	
Third Initial Flow	H	
Third Final Flow	I	
Third Shut-in	J	

Pressure Below Bottom
Packer Bled To

LYNES, INC.

Operator Asher American, Inc. Lease & No. Asher-Roosevelt #1 DST No. 2

2nd Flow:

[illegible]

Remarks:

**UNITED SERVICES**

DIVISION OF LYNES, INC.

Fluid Sample Report

Date 9-21-76 Ticket No. 2335

Company Asher American, Inc.

Well Name & No. Asher-Roosevelt #1 DST No. 2

County Uintah State Utah

Sampler No. 10 Test Interval 6787-6860'

Pressure in Sampler 350 PSIG BHT 118 OF

Total Volume of Sampler: 2100 cc.

Total Volume of Sample: 1400 cc.

Oil: -- cc.

Water: None cc.

Mud: 1400 - Oil cut cc.

Gas: 0.4 cu. ft.

Other: None

Resistivity

Water: @ of Chloride Content ppm.

Mud Pit Sample 4.0 @ 72°F of Chloride Content 1350 ppm.

Gas/Oil Ratio Gravity °API @ OF

Where was sample drained On Location

Remarks:



UNITED SERVICES

DIVISION OF LYNES, INC.

DISTRIBUTION OF FINAL DST REPORTS

Operator Asher American, Inc. Lease Asher-Roosevelt Well No. 1

Original & 1 copy: Asher American, Inc., Box 6666, 700 6th Ave. S.W., Calgary, Alberta,
Canada, T2P 6T6.

2 copies: Gulf Energy & Minerals Corp., USA, Attn: J. Reckamp, Box 2619, Casper, Wyoming,
82602.

2 copies: U.S. Geological Survey, 8440 Federal Bldg., Salt Lake City, Utah, 84138.

2 copies: Dept. of Natural Resources, 1588 W. North Temple, Salt Lake City, Utah, 84116.



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

September 28, 1976

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

CLEON B. FEIGHT
Director

Asher American Inc. (Pacific Petroleum LTD.)
P. O. Box 6666
700-6th Ave.
S. W., Calgary, Alberta Canada T2P6T6

Re: Well No. Asher N. Roosevelt
Sec. 18, T. 30S, R. 25E
Uintah County, Utah

Gentlemen:

We are in receipt of your DST; #001, & 2 for the above mentioned well which have been marked "Right Hole". Please refer to Rule C-5 (b), General Rules and Regulations and Rules of Practice and Procedure..

In order to hold this information confidential, we must have a letter from your company requesting that this data be withheld from open file. If we do not hear from you by October 8, 1976, we will assume that the information can be released.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK

Confidential

Budget Bureau No. 42-R714.4.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE _____
TRIBE UTE
LEASE NO. 14-20-H62-143

RECEIVED
OCT 12 1976
DIVISION OF
GAS, & MINING

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County UINTAH Field WILDCAT

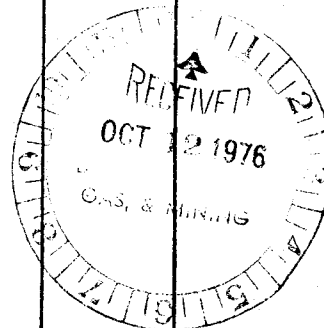
The following is a correct report of operations and production (including drilling and producing wells) for the month of SEPTEMBER, 1976, Mr. G.O. Relf (br)

Agent's address 313-CRANDALL BLDG. Company ASHER AMERICAN INC.

SALT LAKE CITY, UTAH Signed G.O. Relf

Phone 364-6231 Agent's title Consultant

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE/4-NE/4 SECT. 15	IN	1E	1							
			TD 7175							
			OPERATIONS @	8.00 A M OCT. 1/76			ABANDONED			
			RAN DST #1	6787 - 6860 (WASATCH)			MISRUN			COULD NOT GET TO BOTTOM.
			RAN DST #2	6787-6860 (WASATCH)						
				REC'D 400' GAS CUT MUD, W/TRACES OF HEAVY OIL						
			LOGGED, RAN CNFD, GRC & DIL LOGS.							
			RAN PLUGS AS FOLLOWS							
			#1	6800-6654 - 55	SAX TYPE	"G"	CEMENT. P/D @ 11.00		PM SEPT.	29/76
			#2	5110-4965 - 55	SAX TYPE	"G"	CEMENT. P/D @ 11.45		PM SEPT.	29/76
			#3	4550-4405 - 55	SAX TYPE	"G"	CEMENT. P/D @ 12.45		AM SEPT.	30/76
			#4	2430-2240 - 75	SAX TYPE	"G"	CEMENT. P/D @ 4.25		AM SEPT.	30/76
			#5	600-525 - 30	SAX TYPE	"G"	CEMENT. P/D @ 5.30		AM SEPT.	30/76
			#6	10	SAX SURFACE PLUG & DRY HOLE MARKER INSTALLED.					
			RIG RELEASED	2 P.M. SETP. 30/76						
			FINAL REPORT							



NOTE.—There were NO runs or sales of oil; NO M. cu. ft. of gas sold;
NO runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

PACIFIC PETROLEUMS LTD.

BOX 6666 • CALGARY, ALBERTA T2P 6T6 • PHONE 268-6666



EXPLORATION DEPARTMENT

S. B. SMITH
MANAGER

TO: State of Utah,
Department of Natural Resources,
Division of Oil, Gas & Mining,
1588 West North Temple,
Salt Lake City, Utah 84116

DATE: November 4, 1976

Attention: Mr. P. Driscoll
We transmit the following technical data

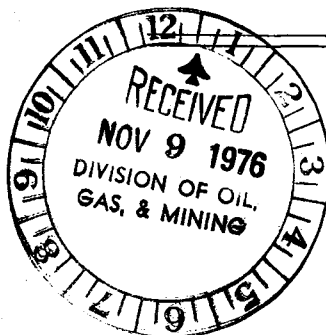
- ☐ Enclosed as follows
☐ Under Separate cover

REFERENCE: Asher N Roosevelt #1
NE/4 - NE/4 Sec. 15, TIN, RIE
Uintah County, Utah, U. S. A.

GEOLOGICAL WELL REPORT

cc: U. S. Geological Survey
Attention: Mr. E. W. Guynn

Gulf Energy and Minerals Corp.,
Attention: Mr. John Reckamp



Mrs. M. Waddell

ASHER - AMERICAN INC.

#1 North Roosevelt
NE-NE Sec. 15 - T.1N - R.1E
Uintah County, Utah

GEOLOGIC WELL REPORT

TABLE OF CONTENTS

<u>Subject</u>	<u>Page Number</u>
Geologic Sample Description	1
Hole Deviation Measurements	14
Drill Stem Test Results	15

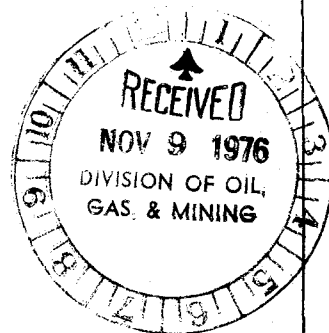
WELL REPORT

Asher-American Inc.
#1 North Roosevelt Well
NE-NE (712 S/N 754 W/E) Sec. 15-T.1N-R.1E
Uintah County, Utah

Elevation: Ground 5942'
K.B. 5953'

SAMPLE DESCRIPTION

Surface - 30	Shale, maroon w/ sl green mottling
30 - 60	Shale as above w/ increase in green
60 - 120	Bentonite, lt tan
120 - 150	Shale, maroon, w/sl grn mottling
150 - 180	Ss, orange-red, silt-M, well rnd, w/intbds ss. a.a., grn
180 - 210	Sh, red-maroon, w/blebs grn
210 - 240	Tuff, highly micaceous, grn
240 - 270	Siltst, maroon w/ few blebs grn. Few intbds anhyd
270 - 330	Tuff, tan-grn, w/ few intbds anhyd & sh, maroon w/ grn blebs
330 - 420	Sh, maroon w/ grn blebs
420 - 480	Sh, a.a. w/ 40% silt-M qtz grs
480 - 510	Sh, dk gy, 10% silt
510 - 570	Sh, maroon & grn intbd
570 - 590	Ss, lt orange, VF - M, well rnd, 30% calc
590 - 611	Sh, maroon
611 - 621	Ss, lt orange, VF-M, 30% calc
621 - 631	Sh, maroon, 40% silt
631 - 644	Ss, lt orange, VF-M, friable



644 - 649	Sh, maroon
649 - 655	Ss, lt orange, VF-M, friable
655 - 667	Sh, maroon
667 - 673	Ss, lt orange, VF-M, friable
673 - 679	Sh, maroon
679 - 698	Ss, orange, VF-M, 30% calcareous
698 - 704	Sh, maroon
704 - 711	Ss, orange, VF-M, 30% calcareous
711 - 720	Sh, maroon, w/ few green blebs
720 - 741	Ss, orange-maroon, VF-M, 30% calc
741 - 768	Sh, maroon, 20% calc
768 - 780	Sh, maroon, w/ few grn blebs
780 - 832	Sh, maroon, w/ scattered well rnd qtz grs
832 - 850	Ss, orange, VF-M, 30% calc
850 - 873	Ss, red-orange, VF-M, 40% argillaceous
873 - 884	Sh, maroon w/ scatt rnd qtz grs
884 - 902	Ss, orange, silt-F, 30% calc
902 - 907	Sh, maroon
907 - 918	Ss, orange, silt-M, 30% calc
918 - 925	Sh, maroon, w/ scat sub-rnd qtz grs
925 - 933	Sh, maroon, w/ blebs grn
933 - 938	Ss, orange, silt-F, 30% calc
938 - 945	Sh, maroon w/ grn blebs
945 - 953	Sh, maroon w/ scat sub-rnd qtz grs
953 - 970	Ss, lt orange, VF-M, w/ large masses pyrite
970 - 1010	Sh, maroon, w/ blebs grn & scat qtz grs
1010 - 1016	Ss, lt orange, F-C, sub-rnd qtz grs, friable
1016 - 1022	Ss, aa, 20% calc, w/ intbds ls, tan IVFA

- 1022 - 1034 Ss, red-orange, F-C, 10% calc, 30% argill
- 1034 - 1048 Ss, orange, VF-M, sub-rnd qtz grs, 20% calc
- 1048 - 1075 Sh, maroon and gy grn intbd
- 1075 - 1085 Sh, gy grn, w/ scat qtz grs
- 1085 - 1100 Sh, variegated, maroon, gy grn, purple
- 1100 - 1142 Sh, variegated maroon, gy grn w/ strks ls, tan
- 1142 - 1150 Sh, a.a. w/ incr ls, tan a.a. w/ scat qtz grs in ls
- 1150 - 1175 Ss, tan-orange, 40% calc w/ strks gy grn claystone
- 1175 - 1216 Claystone, v/ soft, lt tan, 20% calc, scat VF qtz
- 1216 - 1235 Sh, variegated brn & purple, w/ few dk brn chert blebs
- 1235 - 1250 Sh, grn, maroon, purple, tan, w/ few blebs ls, brn
- 1250 - 1295 Ss congl, wh-lt orange, VF-VC, ang-well rnd qtz grs w/ dk brn & dk gy chert grs
- 1295 - 1350 Sh, lt gy, maroon, purple
- 1350 - 1380 Sh, a.a. w/ few blebs ls, tan
- 1380 - 1425 Sh, a.a. w/ incr in maroon
- 1425 - 1488 Ss, congl, wh, VF-VC, sub ang-well rnd chert, tan & brn
- 1488 - 1530 Ss, congl a.a. lt orange, w/ 10% argill, maroon
- 1530 - 1580 Sh, maroon, purple, lt gy
- 1580 - 1610 Sh, a.a. mostly purple and lt gy
- 1610 - 1640 Sh, a.a. ochre, brn, tan, grn, maroon
- 1640 - 1650 Ss, lt orange, VF-M, 30% calc, sub ang-sub rnd qtz grs
- 1650 - 1680 Sh, variegated tan, purple, maroon, gy
- 1680 - 1770 Sh, variegated a.a. w/ also ochre incr toward base of unit
- 1770 - 1830 Sh, a.a. w/ scat silt-F qtz grs in ochre portion w/ incr in ochre color
- 1830 - 1850 Ls, congl, med brn, VF-VC, w/ qtz sand grs, pisolite & pseudo-oolitic

- 1850 - 1890 Sh, variegated maroon, purple, ochre, 40% VF-F qtz
- 1890 - 1915 ls, congl, med brn, VF-Vc, w/ qtz sand grs, pseudo-oolitic, brn chert
- 1915 - 1925 Sh, maroon, purple
- 1925 - 1995 Sh, variegated purple, gy, maroon, ochre toward base, w/ abund ls, brn pebbles & cobbles, chert
- 1995 - 2070 Sh, maroon, purple, gy
- 2070 - 2131 Sh a.a. w/ some ochre
- 2131 - 2150 Sh a.a. w/ some lt gy bentonite w/ mica
- 2150 - 2175 Sh a.a. w/ few strks ss, VF-F, maroon
- 2175 - 2236 Sh a.a. w/o ls, w/ occas pebbles ls, tan, few bentonite strks
- 2236 - 2263 Sh, maroon, purple, gy, brn
- 2263 - 2310 Sh a.a. w/ incr in brn
- 2310 - 2320 Sh, ochre w/ numerous VF-F qtz grs
- 2320 - 2330 Sh, lt gy grn, maroon w/ sl bentonite
- 2330 - 2420 Sh, maroon, brn, gy, w/ abund VF-M qtz grs
- 2420 - 2440 Ss, congl, wh, VF-VC, sub ang-well rnd grs
- 2440 - 2475 Sh, maroon, gy, w/ numerous pebbles ls, brn, pseudo-oolitic, and tan
- 2475 - 2495 Sh, maroon, gy grn, ochre, w/ chert, tan-brn
- 2495 - 2518 Ss, congl, wh-red, VF-C, sub ang-well rnd grs
- 2518 - 2570 Sh, maroon, gy, brn, w/ pebbles chert & ls, tan, brn
- 2570 - 2610 Sh, maroon, grn, ochre
- 2610 - 2640 Sh, maroon, gy, brn, w/ strks ss, wh, VF-C, pebbles ls, brn
- 2640 - 2730 Sh, maroon, brn, ochre, w/ numerous scat VF-M qtz
- 2730 - 2780 Sh, maroon, gy grn, w/ few strks bentonite, grn, micac
- 2780 - 2800 Ss, congl, wh-red, VF-VC, w/ pebbles ls, brn
- 2800 - 2820 Sh, maroon, brn, grn

2820 - 2835	Ss, congl, wh, VF-C
2835 - 2847	Sh, maroon, grn, ochre
2847 - 2890	Sh a.a. w/ scat chert frag & qtz grs, VF-M
2890 - 2911	Sh a.a. w/o chert, w/ few qtz grs
2911 - 2938	Sh, a.a. w/ sl incr in qtz grs, sl bentonitic
2938 - 2950	Sh, maroon, brn, w/ strks bentonite
2950 - 2985	Ss congl, wh, VF-VC, sub ang-well rnd qtz grs w/ pebbles ls, tan, brn
2985 - 3020	Sh, maroon, grn, w/ few scat qtz grs
3020 - 3040	Ss, congl, wh-red, VF-C w/ pebbles ls, brn
3040 - 3080	Sh, maroon, brn, grn variegated w/ scat VF-F qtz
3080 - 3160	Sh, maroon, brn, some grn, w/ scat VF-M qtz grs becoming more numerous toward base, w/ ls pebble brn
3160 - 3172	Sh, gy grn, maroon w/ pebbles ls, tan
3172 - 3215	Sh, a.a. w/ scat VF-M qtz grs
3215 - 3244	Sh, gy grn, maroon, pebbles ls, tan-brn, w/ scat qtz grs, VF-M
3244 - 3253	Sh a.a. w/ some chert pebbles, brn
3253 - 3286	Sh, gy grn, maroon, w/ tr brn, w/ strks ss, tan-wh VF-C
3286 - 3323	Sh, a.a. w/o ss strks, w/ few scat qtz grs
3323 - 3360	Ss, congl, wh-red, VF-C, sub ang-well rnd qtz grs, friable
3360 - 3380	Sh, gy grn (olive), w/ splotches maroon, several scat qtz grs
3380 - 3394	Sh, a.a. w/ fewer qtz grs
3394 - 3416	Sh, gy grn
3416 - 3445	Sh, gy grn, maroon, w/ scat qtz grs
3445 - 3460	Sh, gy grn, w/ few strks bentonite
3460 - 3480	Sh, gy grn, tan, w/ scat silt-VF qtz grs
3480 - 3510	Sh, gy grn, w/ incr silt-VF qtz grs

- 3510 - 3569 Sh, gy grn intbd w/ maroon, w/ strks ss, wh, VF-M
- 3569 - 3580 Ss, congl, wh-red, VF-C, sub ang-well rnd qtz grs
- 3580 - 3602 Ss, tan, maroon, VF-M
- 3602 - 3660 Sh, maroon, grn, 40% VF-M qtz grs
- 3660 - 3695 Sh, maroon, sl grn
- 3695 - 3722 Ss, maroon, sl grn, VF-M, 30% argill
- 3722 - 3770 Sh, maroon, 30% VF-M qtz grs
- 3770 - 3775 Sh, gy grn
- 3775 - 3793 Sh, variegated, maroon & gy grn, 30% VF-C qtz grs
- 3793 - 3802 Sh, a.a. w/ silt-F qtz grs
- 3802 - 3810 Sh, a.a. w/ decrease in qtz grs
- 3810 - 3845 Ss, congl, wh, VF-C
- 3845 - 3853 Sh, gy grn
- 3853 - 3879 Sh, maroon, gy grn, 30% VF-C qtz grs
- 3879 - 3889 Ss, wh, VF-C
- 3889 - 3894 Sh, variegated maroon, gy grn
- 3894 - 3903 Ss, congl, wh, VF-VC
- 3903 - 3914 Sh, maroon, gy grn, 30% qtz grs
- 3914 - 3930 Sh, gy grn, tan, w/ strks Ss, VF-F
- 3930 - 3988 Sh, variegated maroon, gy grn, 30% VF-C qtz grs
- 3988 - 4004 Sh, gy grn, maroon
- 4004 - 4061 Sh, maroon, w/ some grn, 30% VF-F qtz grs
- 4061 - 4070 Sh, gy grn
- 4070 - 4095 Sh, lt-med gy
- 4095 - 4101 Ss, wh, VF-C
- 4101 - 4110 Sh, med-lt gy
- 4110 - 4124 Ss, wh, VF-C
- 4124 - 4163 Sh, lt-med gy, purple

4163 - 4181 Sh, lt gy, maroon, 30% silt-F qtz grs
4181 - 4185 Sh, lt-med gy
4185 - 4189 Ls, med brn-tan, IVFA
4189 - 4203 Sh, lt gy, 20% silt-VF qtz grs
4203 - 4221 Ss, maroon, VF-M
4221 - 4231 Sh, lt gy
4231 - 4238 Sh, brn, maroon, 20% silt-F qtz grs
4238 - 4244 Ss, maroon, VF-M
4244 - 4258 Sh, maroon, gy grn, 20% silt-F qtz grs
4258 - 4262 Ss, congl, maroon-wh, VF-VC
4262 - 4366 Sh, maroon, gy grn, w/ 30% VF-C qtz grs
4366 - 4375 Sh, maroon, gy grn
4375 - 4385 Ss, wh-red, VF-C
4385 - 4400 Sh, gy grn-tan, w/ strks bentonite
4400 - 4448 Sh, maroon, 40% qtz grs, VF-C
4448 - 4480 Sh, maroon w/ blebs gy grn, 15% qtz, VF-F
4480 - 4496 Ss, Wh-red, VF-M
4496 - 4515 Sh, maroon, gy grn, 30% qtz grs, VF-M
4515 - 4535 Ss, wh-red, VF-C
4535 - 4566 Sh, maroon, gy grn, 30% qtz grs, VF-C
4566 - 4583 Ss, wh-red, VF-C
4583 - 4605 Sh, maroon, gy grn, 30% qtz grs, VF-C
4605 - 4615 Sh, gy grn
4615 - 4619 Ss, wh-red, VF-C
4619 - 4624 Sh, maroon
4624 - 4662 Sh, gy grn, maroon, w/ 20% qtz grs, VF-M
4662 - 4699 Ss, wh-red, VF-C
4699 - 4705 Sh, gy grn, 20% qtz grs, VF-F

4705 - 4712	Ss, gy grn, VF-F, 30% argill
4712 - 4715	Sh, maroon
4715 - 4745	Sh, maroon, 30% qtz grs, VF-C, w/ few blebs ls, brn
4745 - 4754	Sh, maroon, 10% silt-VF qtz grs
4754 - 4772	Sh, maroon, 30% qtz grs, VF-C
4772 - 4777	Sh, maroon
4777 - 4820	Sh, maroon, w/ few blebs gy grn, 15% silt-F qtz grs
4820 - 4830	Sh, maroon
4830 - 4838	Ss, wh, VF-F
4838 - 4847	Sh, maroon, 15% silt-F qtz grs
4847 - 4865	Ss, wh-red, VF-C
4865 - 4874	Sh, gy grn
4874 - 4885	Ss, wh-red, VF-C
4885 - 4890	Bentonite, wh-grn, v/micac
4890 - 4902	Sh, maroon, 20% VF-M qtz grs, w/ frag chert, brn
4902 - 4929	Sh, gy grn, 20% VF-F qtz grs
4929 - 4937	Ss, wh-lt gy, VF-M, w/ few chert frags, brn
4937 - 4970	Sh, gy grn intbd w/ maroon, 20% silt-F qtz grs
4970 - 4982	Ss, wh, VF-M
4982 - 4997	Ls, tan, IVFA
4997 - 5005	Sh, maroon, brn, gy grn, 15% silt
5005 - 5018	Siltst, gy grn, w/ some brn, 40% argill
5018 - 5035	Ss, wh, VF-F, w/ numerous chert frags
5035 - 5055	Ss, wh-red, VF-C, w/ few chert frags
5055 - 5059	Sh, maroon
5059 - 5067	Sh, maroon, 30% qtz grs, VF-M
5067 - 5083	Sh, maroon
5083 - 5089	Ls, tan-brn, IVFA, bright yellow miner floures, no shows

- 5089 - 5096 Sh, lt-med gy intbd w/ gy grn
- 5096 - 5109 Siltst, maroon, gy grn, 40% argill
- 5109 - 5114 Ls, tan IVFA, bright yellow floures, no shows
- 5114 - 5121 Ss, wh, VF-F, well rnd qtz grs
- 5121 - 5128 Sh, gy grn intbd w/ lt gy
- 5128 - 5136 Ss, wh, VF-F, well rnd qtz grs
- 5136 - 5141 Ls, tan-brn, IVFA, w/ few frags chert, bright yellow flouresc, no shows
- 5141 - 5145 Ls, tan-brn, IVFA, 40% chert, no shows
- 5145 - 5160 Ss, wh, VF-F, well rnd qtz grs
- 5160 - 5175 Sh, maroon, 20% qtz grs, VF-M
- 5175 - 5207 Sh, maroon, gy grn, 20% silt-F qtz grs
- 5207 - 5212 Ss, gy grn, maroon, silt -VF
- 5212 - 5222 Sh, maroon, gy grn, 20% silt-F qtz grs
- 5222 - 5252 Sh, maroon w/ blebs grn, 15% silt-F qtz grs
- 5252 - 5325 Sh, maroon, gy grn, 20% qtz grs, silt-F
- 5325 - 5335 Ss, maroon, gy grn, VF-M, 30% argill
- 5335 - 5413 Sh, maroon, gy grn, 30% qtz grs VF-C, w/ thin strks
ss, wh, VF-F & pebbles ls, tan, IVFA, w/ yellow flouresc, no shows
- 5413 - 5458 Sh, gy grn, purple, w/ numerous strks ss, wh, silt-VF
- 5458 - 5540 Sh, gy grn, w/ numerous strks ss, wh, silt-VF, & numerous pebbles ls, tan, w/ yellow flouresc, no sho
- 5540 - 5570 Ss, wh, sl salt & pepper, silt-VF
- 5570 - 5575 Sh, maroon, 40% silt
- 5575 - 5616 Sh, maroon, gy grn, w/ grn @ top becoming less toward base until zero, w/ several ss strks, wh, salt & pepper, silt-VF @ top becoming silt-C @ base, w/ pebbles ls, tan, IVFA
- 5616 - 5631 Sh, maroon, gy grn, 30% silt
- 5631 - 5750 Sh, maroon, gy grn, 20% silt, w/ several thin strks ss, wh, silt-VF becoming none @ base

- 5750 - 5829 Sh, maroon, gy grn, 30% silt
- 5829 - 5835 Sh, maroon, gy grn, 40% VF-C qtz grs
- 5835 - 5854 Sh, lt gy, lt purple, 30% silt, w/ several strks ss, wh, VF
- 5854 - 5868 Ss, wh, VF-C, friable
- 5868 - 5872 Sh, lt purple, 40% VF-C qtz grs
- 5872 - 5915 Sh, maroon, lt purple, 20% silt-M qtz grs
- 5915 - 5937 Ss, wh, VF-C, friable
- 5937 - 5954 Sh, maroon, 20% silt
- 5954 - 5964 Ss, wh, VF-C, w/ strks ls, tan-white, IVFA, w/ ls showing bright, yellow flouresc but no cut
- 5964 - 5977 Sh, maroon, w/ sl amt purple, 20% silt
- 5977 - 5986 Ss, wh, VF-C, N/S, tite
- 5986 - 6014 Ss, wh, VF-C w/ mostly VF-F, tite, hard, masses of pyrite, w/ ss giving v/ faint, spotty, sl cut flour, w/ strks ls, tan-wh, IVFA, w/ bright yellow flour, no shows
- 6014 - 6028 Ss, wh, VF-M, friable, few pieces yellow floures w/ streaming cut in chlorothene
- 6028 - 6042 Sh, maroon, gy grn, 30% silt-M qtz grs, w/ several strks ls, wh, IVFA, w/ bright yellow flour, N/S
- 6042 - 6046 Ss, wh, VF-C, dk brn to blk oil visible in samples, yellow floures w/ streaming cut
- 6046 - 6105 Sltst, lavender, brn, lt gy 30% argill, w/ several strks ss, wh, VF-M, hd, tite, several pyrite masses, w/ fair spotty oil show & stream cut, w/ several blebs ls, tan-brn-wh, IVFA, w/ few chert frags, orange-brn-transluc med gy, sl mica, yellow flour N/S
- 6105 - 6148 Sltst, laven-grn-brn-lt gy 20% argill, w/ strks ss, wh, VF-VC, several masses pyrite, hd, tite, wet, N/S w/ several frags chert, orange-brn, transluc med gy, w/ sltst sl micac, w/ few gy chert frags lined w/ milky white qtz
- 6148 - 6152 Sh, pale gy, lavender
- 6152 - 6176 Ss, lt gy-wh, silt-C, w/ large & abundant pyrite masses, w/ several pebbles chert, transluc lt-med gy
- 6176 - 6182 Sh, reddish brn, 20% silt-F qtz grs

- 6182 - 6201 Sh & siltst, brn, lavender, lt gy, 20% qtz grs, hydrothermally altered to yellow. Is this radioactive?
- 6201 - 6220 Sh, pale gy, lavender, brn, w/ abundant alteration to yellow, w/ calcite & clear qtz frags
- 6220 - 6232 Sh, lavender, lt gy, brn, 20% silt-F qtz grs, w/ abundant yellow alteration
- 6232 - 6250 Sh, pale gy, sl grn, lavender, brn, 10% silt-F qtz grs, abundant yellow alteration
- 6250 - 6255 Sh, bright green
- 6255 - 6289 Sh, lavender, pale gy, sl gy grn, 20% silt-F qtz grs, w/ strks ss, wh-gy, silt-F, sl yellow alteration
- 6289 - 6296 Ss, wh-orange, silt-VF
- 6296 - 6299 Ss, wh-brn, VF-M, 10% argill
- 6299 - 6310 Sh, lavender, brn, lt gy
- 6310 - 6328 Sh, lavender, lt gy, brn, 20% silt-M qtz grs, w/ several chert frags, brn & dk gy transluc, w/ few thin strks ss, wh, VF-M, bright yellow fluorescence in ss, fair cut
- 6328 - 6348 Sh, lavender, pale grn, brn, 20% silt, w/ several strks ss, wh, VF-M, w/ bright yellow fluorescence in ss & fair cut
- 6348 - 6368 Sh, lt gy, lavender, 10% silt-VF qtz grs, w/ few thin strks ss, wh-orange, VF-M, w/ bright yellow fluorescence & fair cut
- 6368 - 6375 Sh, lt gy to lavender, 10% silt-F qtz grs
- 6375 - 6378 Ss, wh-orange, VF-M, bright yellow fluorescence, fair cut
- 6378 - 6387 Sh, lavender, brn, lt gy, 15% silt-F qtz grs
- 6387 - 6391 Ss, wh-orange, VF-C, N/S
- 6391 - 6409 Sh, lavender, reddish brn, 15% VF-M qtz grs
- 6409 - 6432 Sh, reddish brn, sl micac
- 6432 - 6447 Sh, reddish brn, 30% VF-F qtz grs
- 6447 - 6449 Ss, orange, VF-F
- 6449 - 6462 Sh, reddish brn, 30% silt -M qtz grs

- 6462 - 6480 Sh, reddish brn
- 6480 - 6490 Sh, lt gy, w/ thin strks ss, wh, VF-F
- 6490 - 6497 Ss, wh-lt brn-orange, VF-M
- 6497 - 6501 Sh, lt gy
- 6501 - 6535 Sh, reddish brn w/ few blebs pale grn, 10% silt-VF
qtz grs
- 6535 - 6541 Ss, orange, Silt-F, 30% argill
- 6541 - 6545 Sh, lavender, 20% silt-F qtz grs
- 6545 - 6559 Sh, reddish brn, w/ strks pale gy grn, sl micac
- 6559 - 6585 Sh, pale gy, 10% silt-VF qtz grs, sl micac
- 6585 - 6590 Sh, pale gy-pale pink, soft, sl micac
- 6590 - 6597 Sh, reddish brn-pale gy mottled, 10% silt-VF qtz grs
- 6597 - 6600 Sh, pale lavender
- 6600 - 6610 Sh, pale gy-reddish brn mottled
- 6610 - 6629 Ss, wh, VF-M, rnd qtz grs, sl pyritic, friable, N/S
- 6629 - 6650 Sh, pale gy-reddish brn mottled
- 6650 - 6678 Sh a.a. w/ 15% silt-VF qtz grs
- 6678 - 6687 Sh, pale gy to sl grnish, w/ thin strks sltst, wh
- 6687 - 6718 Sh, reddish brn-pale gy-pale lavender mottled, 20%
silt-M qtz grs
- 6718 - 6733 Sh, reddish brn-pale lavender mottled, 10% silt-VF
qtz grs, few frags chert, brn
- 6733 - 6739 Sh a.a. w/ strks ss, red-orange, VF-M
- 6739 - 6785 Sh, reddish brn w/ pale gy mottling, 10% silt-VF
qtz grs, w/ gy becoming more abund toward base of unit
- 6785 - 6834 Ss, wh, VF-M, friable, sl pyritic, bright yellow-sl
blue flouresc w/ sl sample odor, w/ streaming bluish
cut where there are grain clusters, but faint residue
cut where only single grains--probably due to high
gravity hydrocarbons
- 6834 - 6838 Sh, med brnish gy, sl pyritic
- 6838 - 6850 Ss, wh a.a., w/ show and flouresc a.a.

6850 - 6855 Ss, a.a. tite
 6855 - 6860 Sh, pale-med gy, w/ some brn
 6860 - 6946 Sltst, med-dk gy, salt & pepper, w/ abund carbonaceous
 strks, v/ highly pyritic, hard, N/S
 6946 - 7005 Sltst, dk gy, 30% argill, w/ several strks ss,
 salt & pepper, silt-VF, highly carbonaceous, sl
 pyritic, N/S
 7005 - 7025 Sltst, dk gy, 10% argill, w/ several strks ss,
 salt & pepper, silt-VF, w/ strks sh, dk gy-blk,
 carbonaceous, sl pyritic, N/S
 7025 - 7105 Sltst, dk gy, 30% argill, w/ few strks ss a.a., N/S
 7105 - 7118 Ss, salt & pepper, silt-VF, N/S
 7118 - 7175 Sltst, dk gy, 30% argill, N/S
 7175 - - - - - TOTAL DEPTH - DRILLER

HOLE DEVIATION

<u>Footage</u>	<u>Amount of Deviation</u>
104	1/4 Degrees
227	1/4
415	1/2
477	1/2
508	1
571	1
590	No Picture
643	1 1/4
737	1 1/4
862	1 1/4
1016	1 1/4
1110	1 1/4
1268	1
1425	1
1583	1/2
1894	3/4
2204	1/2
2609	1 1/2
2798	2
3016	1 3/4
3230	1
3509	1
3695	1 1/8
3914	3/4
4163	1
4480	2 1/2
4573	2 3/4
4667	3 1/2
4761	4
4793	4
4847	3 3/4
4910	3 3/4
4972	3 3/4
5018	3 3/4
5096	3 3/4
5159	4
5222	3 3/4
5284	3 1/2
5337	3 1/4
5412	3 1/2
5476	3 1/2
5537	3 1/2
5600	3 3/4
5631	3 1/2
5788	3 1/2
5883	3 3/4
5945	4
6009	4
6042	4
6132	3 3/4
6226	3 3/4

HOLE DEVIATION (CONT.)

<u>Footage</u>	<u>Amount of Deviation</u>
6320	4 Degrees
6482	3 1/2
6552	3 3/4
6725	4
6824	4 1/4
6886	5 3/4
6918	7 3/4
6975	9
7037	10
7100	11 1/2

DRILL STEM TESTS

DST #1: 6787 - 6860 ----- Misrun.

DST #2: 6787 - 6860 2 Lynes sidewall packers @ 6781 & 6787
 Open tool @ 10:50 A.M. Pre-flow 5 min, open w/ fair blow @ 3" water, increase to strong blow to bottom of 5 gallon bucket in 30 seconds. Shut in @ 10:55 for initial shut-in (30 min.). Gas to surface 16 minutes into shut-in period. Ignite flare.
 Open tool @ 11:25 for flow period. Ignite gas flare immediately. 2.5 psi in 5 minutes on 3/8" surface choke.

<u>Time in Min.</u>	<u>Gas Flow in MCF</u>
5	31.4
10	31.4
15	27.0
20	23.3
25	23.3
30	23.3
35	23.3
40	23.3
45	19.0
50	10.7
55	9.45
60	8.74

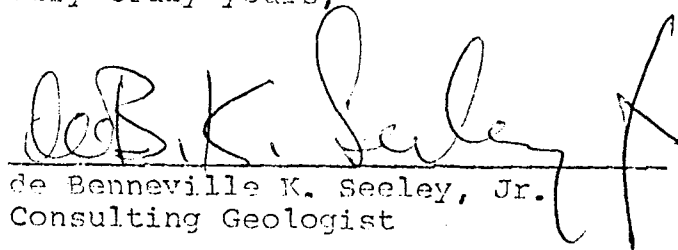
Shut in @ 12:25 noon for 2 hour shut-in period.
 Recovered 400' gas cut mud with oil

IH 3285#	IF-1 102#	IF-2 149#	ISIP 891#
FH 3285#	FF-1 149#	FF-2 167#	FSIP 1421#

The above information completes the geologic data accumulated on the Asher American Inc. #1 North Roosevelt well during the drilling of same.

This data is respectfully submitted to you,

Very truly yours,


de Benneville K. Seeley, Jr.
Consulting Geologist

October 4, 1976



UNITED SERVICES

DIVISION OF LYNES, INC.

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300

400

500

600

700

800

900

deviation $\frac{1}{2}^{\circ}$
qtz grs silt-M

deviation $\frac{1}{2}^{\circ}$

deviation 1°

deviation 1°

Drilling Time
6 5 4 3 2 1

deviation $\frac{1}{4}^{\circ}$

deviation $\frac{1}{4}^{\circ}$

deviation $\frac{1}{4}^{\circ}$

1000

1

deviation $1\frac{1}{4}^{\circ}$

1100

deviation $1\frac{1}{4}^{\circ}$

1200

deviation 1°

1300

1400

deviation 1°

1500

deviation $\frac{1}{2}^\circ$

1600

1700

1800

8T2 9RS VF-F

1900

deviation $\frac{3}{4}^\circ$

2000

2100

2200

deviation $1\frac{1}{2}^{\circ}$ →

2300

2400

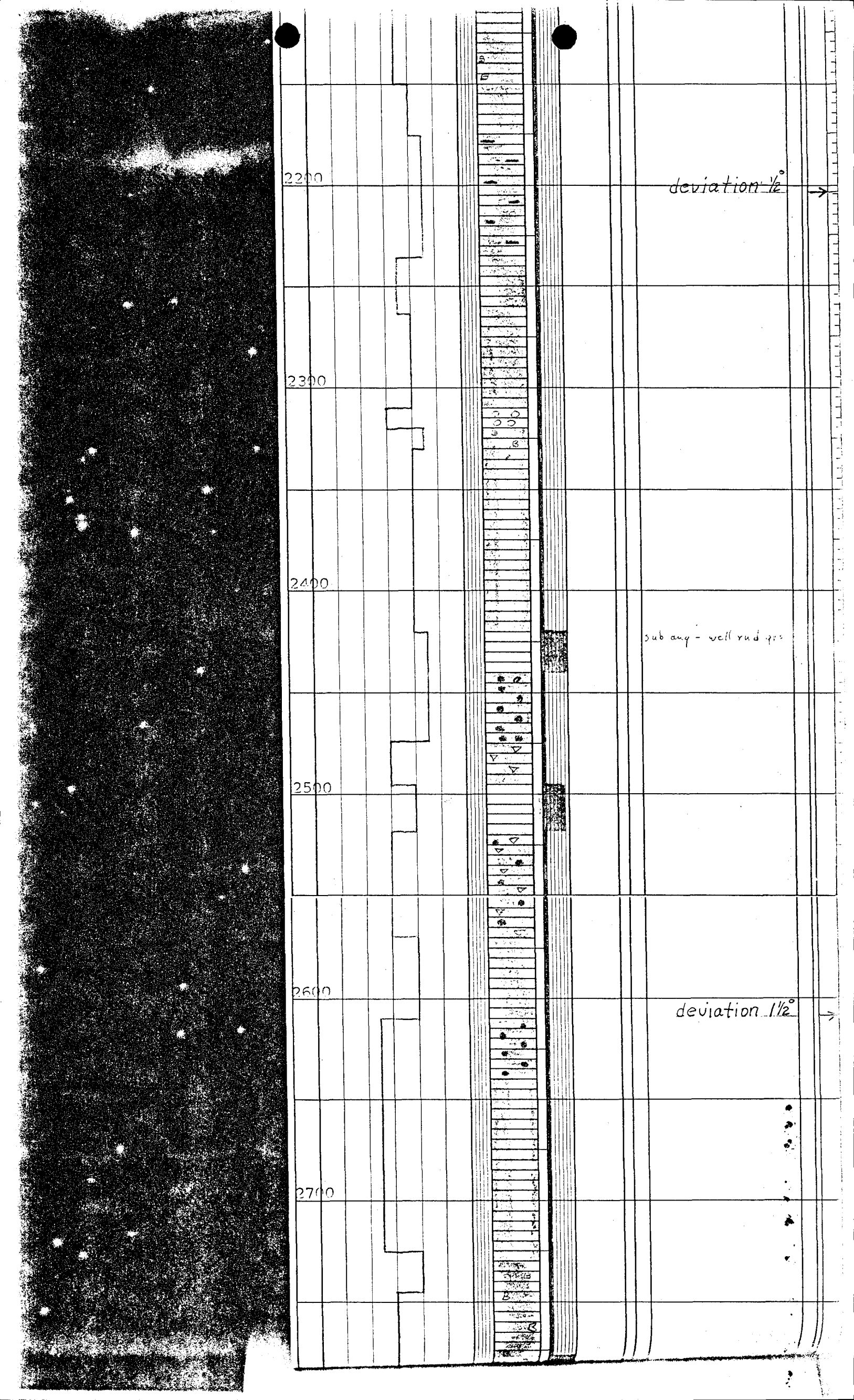
sub ang - well rnd grs

2500

2600

deviation $1\frac{1}{2}^{\circ}$ →

2700



2800

deviation 2° →

2900

3000

deviation $1\frac{3}{4}^{\circ}$ →

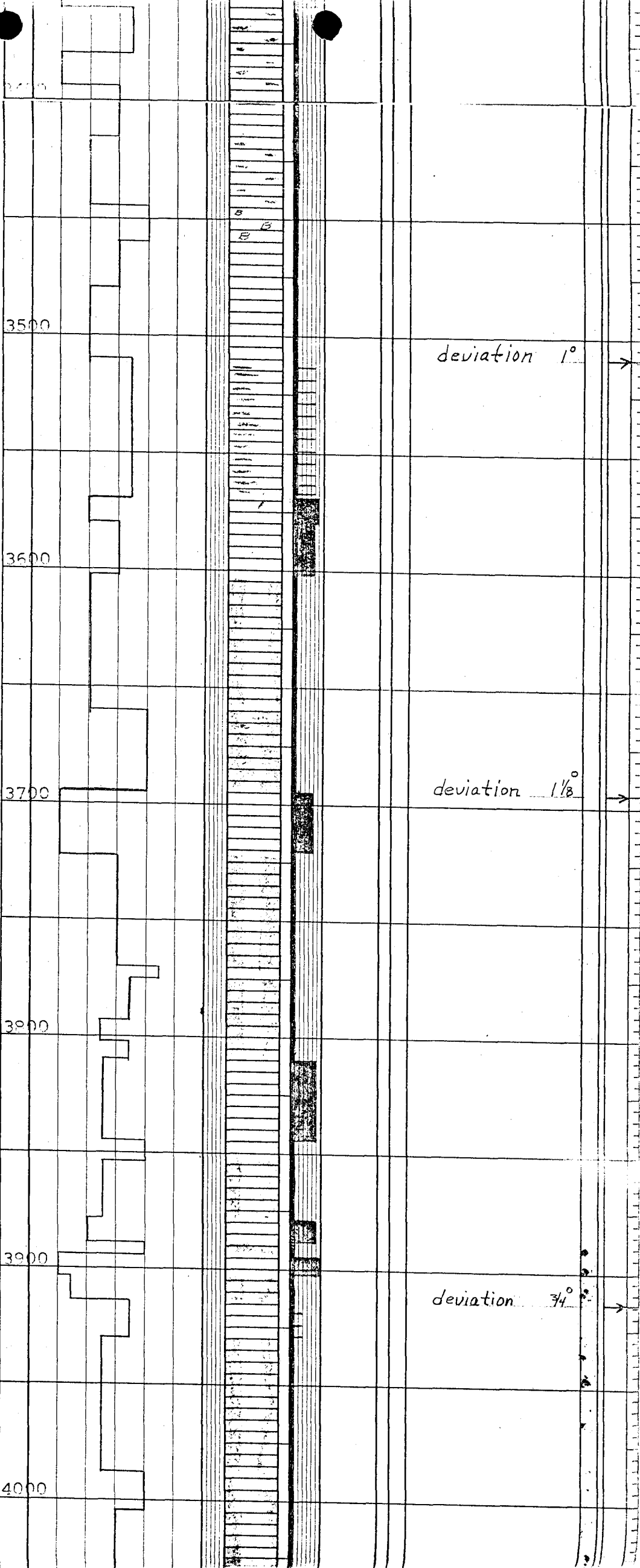
3100

3200

deviation 1° →

3300

3400



4000

4100

4200

4300

4400

7 6 5 4 3 2 1
Drilling Time
Scale change

13 15 12 9 6 3

4500

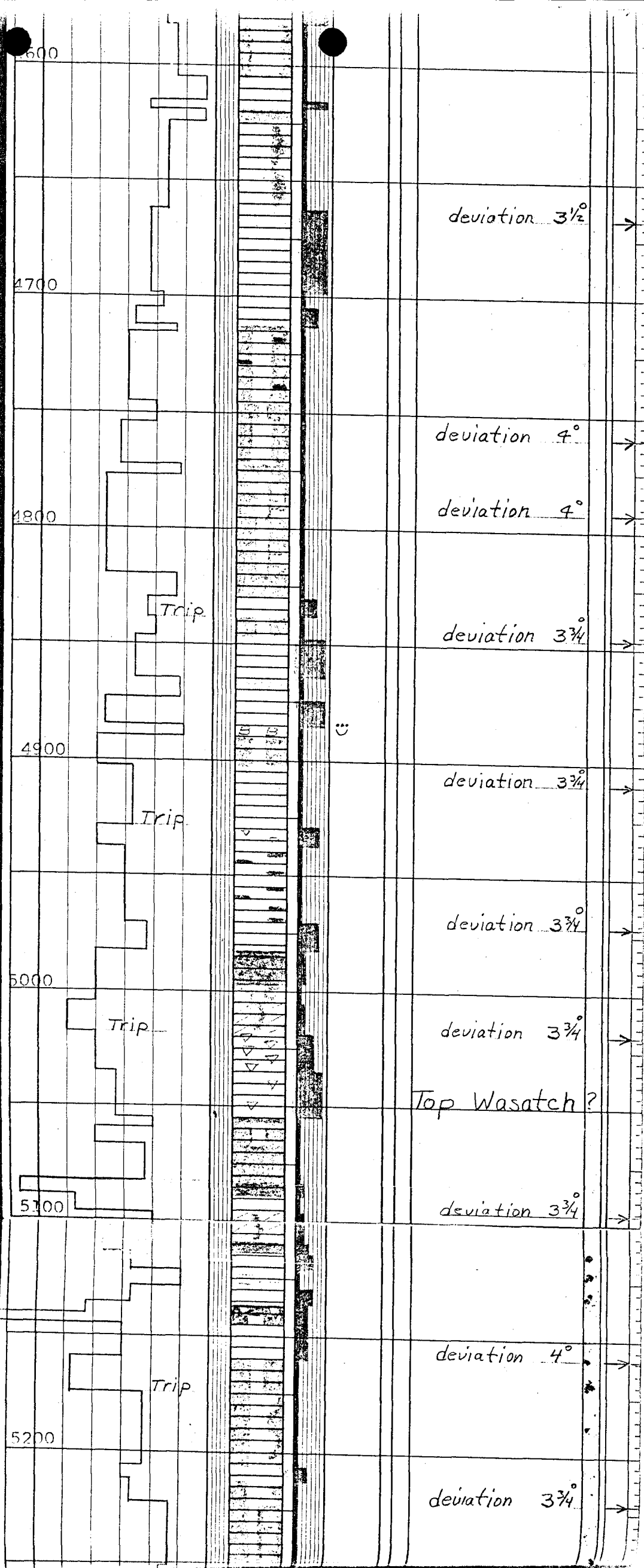
4600

Top Green River ?

deviation 1°

deviation $2\frac{1}{2}^{\circ}$

deviation $2\frac{3}{4}^{\circ}$



5200

deviation $3\frac{3}{4}^{\circ}$

5300

deviation $3\frac{1}{2}^{\circ}$

Trip

deviation $3\frac{1}{4}^{\circ}$
ss. strks VF-F

5400

deviation $3\frac{1}{2}^{\circ}$

ss strks silt-VF
deviation $3\frac{1}{2}^{\circ}$

5500

deviation $3\frac{1}{2}^{\circ}$
ss salt & pepper

5600

deviation $3\frac{3}{4}^{\circ}$

Trip

deviation $3\frac{1}{2}^{\circ}$

5700

5800

deviation $3\frac{1}{2}^{\circ}$

Trip

5800

deviation $3\frac{1}{2}^{\circ}$

Trip

5900

deviation $3\frac{3}{4}^{\circ}$

deviation 4°

6000

Trip

deviation 4°
friable

Trip

deviation 4°

6100

Trip

deviation $3\frac{3}{4}^{\circ}$

few chert frags lined
w/ white qtz.

chert orange-
brn & transluc
med. gy.

chert lt-med gy, transl.

6200

deviation $3\frac{3}{4}^{\circ}$

6300

deviation 4°
chert brn. & dk. gy, transl.

6400

6400

6500

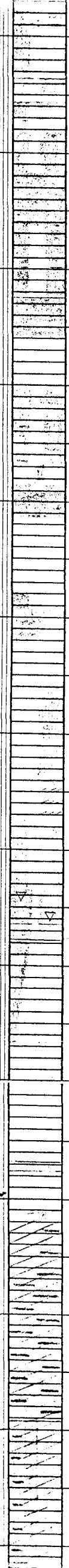
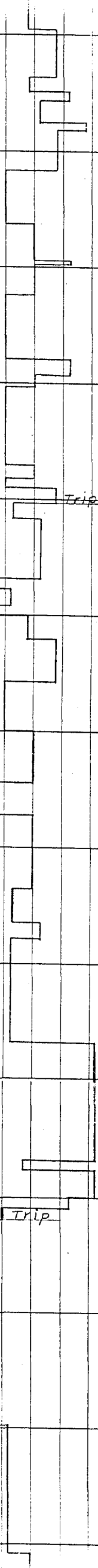
6600

6700

6800

6900

7000



deviation $3\frac{1}{2}^{\circ}$

deviation $3\frac{3}{4}^{\circ}$

deviation 4°

LOT #1 - MISRUN
LOT #2 6797-6800
FOR 100' 102' 102' 102' 102'
IN 100' 102' 102' 102' 102'

deviation $4\frac{1}{4}^{\circ}$

Top Cretaceous

deviation $5\frac{3}{4}^{\circ}$

deviation $7\frac{3}{4}^{\circ}$

deviation 9°

deviation 4°

EST. 11-11-1944
EST. 12-11-1944
EST. 13-11-1944
EST. 14-11-1944
EST. 15-11-1944
EST. 16-11-1944
EST. 17-11-1944
EST. 18-11-1944
EST. 19-11-1944
EST. 20-11-1944

deviation 4 1/4°

Top Cretaceous

deviation 5 3/4°

deviation 7 3/4°

deviation 9°

deviation 10°

deviation 11 1/2°

6900

6900

7000

7100

7200

Trip

Trip

13 15 12 9 6 3

Total Depth 7175'
E.log depth 7177'



PACIFIC PETROLEUMS LTD.
DRILLING WELL REPORT

o/c/m ce

WELL NAME ASHER N. ROOSEVELT #1		SURFACE LOCATION NE/4 - NE/4 SECT. 15-TIN-R1		WELL STATUS ABANDONED		ZONE		WELL CLASSIFICATION EXPLORATORY	
COORDINATES 712' - NORTH LINE, 754' - EAST LINE		GROUND ELEVATION 5942		K.B. ELEVATION 5953		C.B. ELEVATION N.K.		LICENCE NUMBER 8-25349-00	TITLE LEASE
DRILLING CONTRACTOR PEASE - RIG #5	SPUD DATE AUG. 22/76	FINISHED DRILLING DATE SEPT. 27/76	RIG RELEASED DATE SEPT. 30/76	TOTAL DEPTH 7175	P.B.T.D.	NUMBER OF BITS USED 21	HOLE DEVIATION (MAX.) 7100' - 11-1/2°		

TUBULAR DATA

1. SURFACE CASING	14 JTS. (588')	9-5/8" 36# K-55 ST&C CSG LANDED @ 586' K.B. CEMENTED W/ 520 SAX TYPE "G" + 3% CACL2. GOOD RETURNS (25 BBLs). PLUG DOWN @ 12:45 A.M. AUGUST 24/76.
2. INTERMEDIATE CASING	JTS. ()	
3. PRODUCTION CASING	JTS. ()	

CORING REPORT

CORE	FROM — TO	CUT	RECOVERY
#1	NO CORES OUT		
#2			
#3			
#4			

DRILL STEM REPORT

DATE	INTERVAL TESTED FROM — TO	ZONE	RECOVERY	ANALYZED
#1 SEPT 20/76	6787 - 6860	WASATCH	MISRUN	NO
#2 SEPT 21/76	6787 - 6860	WASATCH	SEE CHART	MUD
#3				
#4				
#5				
#6				

LOGGING DETAILS

NAME OF LOG	INTERVAL LOGGED FROM — TO	LOGGED BY
#1 D.I.L.	590 - 7171	SCHLUMBERGER
#2 C.N.F.D.	590 - 7175	SCHLUMBERGER
#3		
#4		
#5		
#6		

ABANDONMENT REPORT

PLUG	FROM — TO	CEMENTED WITH	PLUG DOWN	FELT AT
#1	6800 - 6654	55 SAX TYPE "G"	11:00 P.M. SEPT 29/76	PLUGS
#2	5100 - 4965	55 SAX TYPE "G"	11:45 P.M. SEPT 29/76	
#3	4550 - 4405	55 SAX TYPE "G"	12:45 A.M. SEPT 30/76	NOT
#4	2430 - 2240	75 SAX TYPE "G"	4:25 A.M. SEPT 30/76	
#5	525 - 600	30 SAX TYPE "G"	5:30 A.M. SEPT 30/76	FELT
#6		10 SAX IN CASING		FOR

LOST CIRCULATION DETAILS

DATE	FROM — TO	BBLs LOST	REMARKS
			NO LOST CIRCULATION ZONES ENCOUNTERED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

8-26529-00

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

ASHER AMERICAN INC.

8. FARM OR LEASE NAME

PAUL T. WALTON

9. WELL NO.

ASHER N. ROOSEVELT #1

10. FIELD AND POOL OR WILDCAT

WILDCAT
11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREANE/4 NE/4 SECT. 15 TIN R1 E
U.S.B. & M.

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR
PARISH

13. STATE

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPLE. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPLE.,
HOW MANY*23. INTERVAL
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

0-7175

25. WELL SECTIONAL
SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

C.N.F.D., G.R.C. & D.I.L.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	600	13-3/4"	C/N 520 SAX TYPE G + 3% CACL2	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
#1 6800-6654	W/55 SAX TYPE G
#2 5100-4965	W/55 SAX TYPE G
#3 4550-4405	W/55 SAX TYPE G
#4 2430-2240	W/75 SAX TYPE G
#5 525-600	W/30 SAX TYPE G

33.*

PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

George O. Relf

TITLE

Consultant

DATE

11-9-76

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
DST #1-WASATCH	6787	6860	<p>MISRUN - COULD NOT GET TO BOTTOM</p> <p>1ST FLOW - TOOL OPENED WITH FAIR 3" UNDERWATER BLOW, INCREASED TO BOTTOM OF BUCKET IN 30 SECS AND REMAINED THRU FLOW PERIOD: GAS TO SURFACE IN 16 MIN. INTO INITIAL SHUT-IN.</p> <p>2ND FLOW - TOOL OPENED WITH GAS TO SURFACE</p> <p>MAX. GAS RATE 5 MIN. 31.4 MCF/D</p> <p>MAX. GAS RATE 30 MIN. 23.3 MCF/D</p> <p>MAX. GAS RATE 45 MIN. 19.0 MCF/D</p> <p>MAX. GAS RATE 60 MIN. 8.74 MCF/D</p> <p>HP 3252-3244 FP 115/133 SP 844/1379</p> <p>RWC'D 400' - GAS CUT MUD W/ OIL</p> <p>NO CORES CUT</p>	GREEN RIVER	4078 (+1875)	
DST #2-WASATCH	6787	6860		FAULT	4869 (+1084)	
		5/30/60/120		WASATCH	5190 (+763)	
		BHT 118°		CRETACEOUS	6862 (-909)	
		T/O 10:49AM				

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR
ASHER AMERICAN INC. (PACIFIC PETROLEUMS LTD.)

4. LOCATION OF WELL (Report location clearly, and in accordance with any State requirements.
See also space 17 below.)
At surface

712' FROM NORTH LINE, 754' FROM EAST LINE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

N.K.

GRND. 5942'

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Abandoned Well, Ran Following Plugs

Plug #1	6800 - 6654	W/55 SAX TYPE "G" CEMENT	P/D 11:00 P.M. SEPT. 29/76
Plug #2	5100 - 4965	W/55 SAX TYPE "G" CEMENT	P/D 11:45 P.M. SEPT. 29/76
Plug #3	4550 - 4405	W/55 SAX TYPE "G" CEMENT	P/D 12:45 A.M. SEPT. 30/76
Plug #4	2430 - 2240	W/75 SAX TYPE "G" CEMENT	P/D 4:25 A.M. SEPT. 30/76
Plug #5	525 - 600	W/30 SAX TYPE "G" CEMENT	P/D 5:30 A.M. SEPT. 30/76
Plug #6	10 SAX IN TOP OF SURFACE CSG., W/ DRY HOLE MARKER WELDED ON		

LEASE COMPLETELY RESTORED AS OF NOVEMBER 11, 1976

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: Nov. 24, 1976

BY: P. L. Russell



18. I hereby certify that the foregoing is true and correct

SIGNED

George O Relf

TITLE

Agent - Consultant

DATE

11-21-76

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

UTAH STATE

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

8-26529-00

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UTE

7. UNIT AGREEMENT NAME

ASHER AMERICAN INC.

8. FARM OR LEASE NAME

PAUL T. WALTON

9. WELL NO.

ASHER N. ROOSEVELT #1

10. FIELD AND POOL, OR WILDCAT

WILDCAT

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREANE/4 NE/4 SECT. 15 TIN R1
U.S.B. & M.

12. COUNTY OR PARISH

UINTAH

13. STATE

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)1. ☐ OIL
WELL ☐ GAS
WELL ☐ OTHER

2. NAME OF OPERATOR

ASHER AMERICAN INC. (PACIFIC PETROLEUMS LTD.)

3. ADDRESS OF OPERATOR

P.O. BOX 6666, CALGARY, ALBERTA CANADA

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

712' FROM NORTH LINE, 754' FROM EAST LINE

14. PERMIT NO.

N.K.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GRND. 5942

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON* "A"

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

"B" ABANDONMENT*

X

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*"A" Reason for Abandonment - Testing and logging failed to disclose evidence
of commercially recoverable hydrocarbons."B" Abandoned Well, Ran in Open Ended and Ran the Following Plugs:

- (1) Plug #1 6800 - 6654 W/55 SAX TYPE "G" CEMENT P/D 11:00 P.M. SEPT. 29/76
Plug #2 5100 - 4965 W/55 SAX TYPE "G" CEMENT P/D 11:45 P.M. SEPT. 29/76
Plug #3 4550 - 4405 W/55 SAX TYPE "G" CEMENT P/D 12:45 A.M. SEPT. 30/76
Plug #4 2430 - 2240 W/75 SAX TYPE "G" CEMENT P/D 4:25 A.M. SEPT. 30/76
Plug #5 525 - 600 W/30 SAX TYPE "G" CEMENT P/D 5:30 A.M. SEPT. 30/76
Plug #6 10 SAX IN TOP OF SURFACE CSG., W/DRY HOLE MARKER WELDED ON

(2) Surface casing 0'-586' was left intact.

LEASE COMPLETELY RESTORED AS OF NOVEMBER 11, 1976

RECEIVED

JAN 1 1977

UTAH STATE PARK
& RECREATION

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side